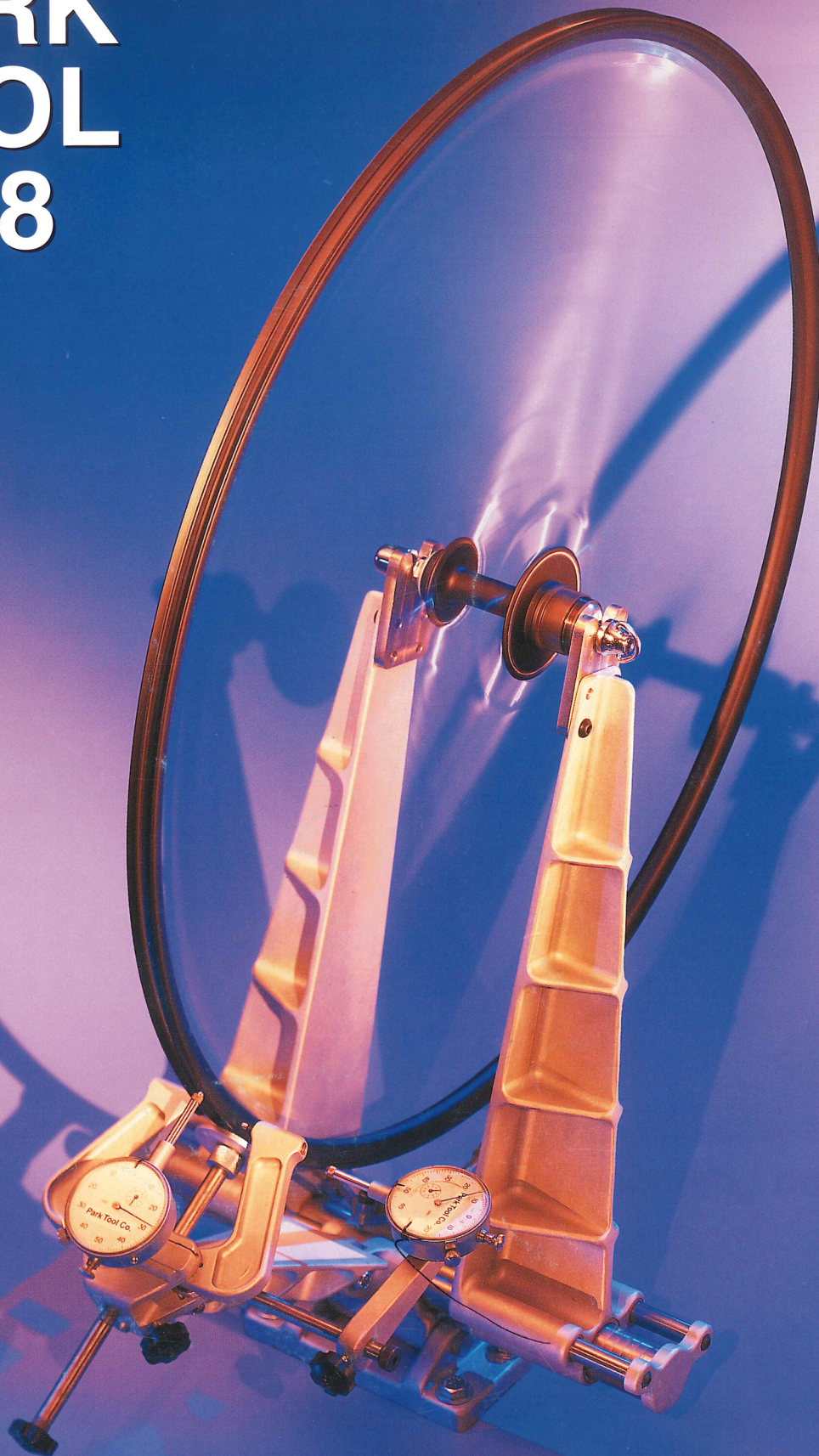


PARK TOOL 1998





CONTENTS

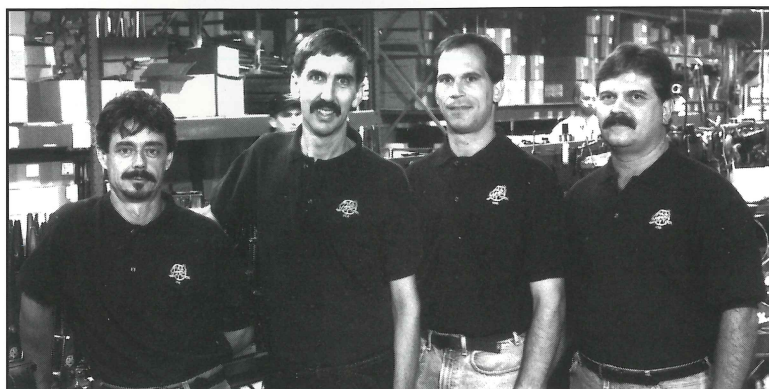
Presenting Our Products

Since our start in the retail business in 1956, we've made a commitment to building tools using the best designs and the best materials. Our common sense approach to making functional tools helps ensure you can make repairs faster and more profitably. In 1998, we're bringing you new products, tools updates, and new sales materials to help you sell more tools to home mechanics.

As the bicycle business continues to change, we promise to change with it, and bring the best tools possible to the industry worldwide.



Eric Hawkins, Vice President; Howard Hawkins, President



The Park Tool Team

Left to right: Pierre Ostor, Engineering and R&D; Calvin Jones, Director of Educational Programs; Dan Garceau, National Sales Manager; George Eldridge, Production Manager.

With over 150 years of combined experience in bicycle mechanics and manufacturing, the Park Tool Team has the hands-on knowledge needed to make the world's best bicycle tools. Because we've worked in shops and as team mechanics, we understand the problems professional bicycle mechanics face every day. That's why we're constantly developing new tools and accessories that make your job easier. We're also looking at ways to get more consumers interested in basic bicycle repairs and maintenance, driving them to your store to buy tools.

The rest of the story...

We believe our business has been successful because of our faith in God. Man is constantly looking for success and trying to acquire wealth, but is always striving for something more. He will never be satisfied until settling the most important of all questions in life - his relationship with God. That relationship is possible through belief in His Son, Jesus Christ.

Accessories	16
Bottom Bracket Tools	21
Brake Tools	19 - 20
Chain Maintenance	11
Chain Tools	12
Cone Wrenches	28
Crank Tools	23
Cutting Tools	32 - 33
Display Systems	2
Frame and Fork Tools	29 - 31
Freewheel Tools	17
Hex Wrench Tools	13
Logo Merchandise	34
Miscellaneous Tools	24
Repair Stands	3 - 5
Repair Stand Accessories	8
Repair Stand Replacement Parts	7
Specialty Tools	14 - 15
Take-Along Tools	9 - 10
Torque Wrenches	18
Wheel Building Tools	25 - 27
Wrenches	22

Park Tool Limited Lifetime Warranty

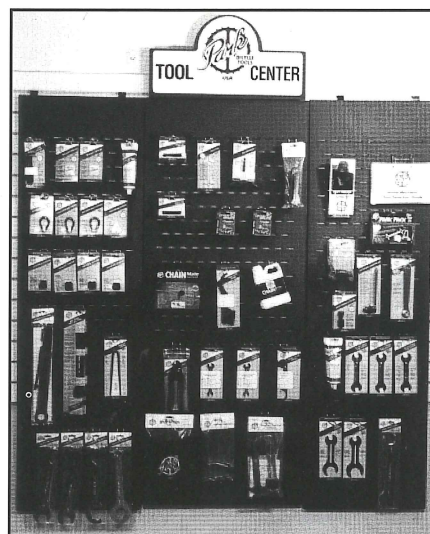
Park Tool Company backs its tools with a limited lifetime warranty. If a Park Tool product fails to perform its intended purpose, under normal usage, due to defects in material or workmanship, the tool will be repaired or replaced at our option. Tools that are worn from normal use, or damaged due to accident, abuse, neglect, or modification are not covered by the warranty. When possible, tools not covered under warranty will be repaired for a reasonable charge. This warranty does not cover consequential damage or cost of injury incurred by the user. The TW-3 and TW-4 Torque Wrenches are warranted for one year from date of purchase. Tools for warranty consideration should be returned to the point of purchase or to Park Tool Company.



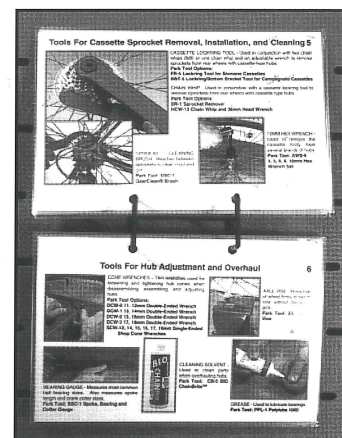
PDR-3
Floor Display

Park Tool Display Systems PDR-3 and PDR-5

Over 4,000 bike shop owners worldwide have relied on the original Park Tool Display to help sell tools. Now, we are proud to introduce the next generation display. The all new PDR-3 is a complete tool and information center for the home mechanic. Along with an expanded selection of our most popular tools, the PDR-3 includes a copy of our Home Mechanic Tool Selection Guide, a full color reference guide designed to help your customers quickly and confidently select the tools they need to keep their bikes running smoothly. In addition, the new PDR-3 has been designed to be versatile, giving you the choice of a floor or wall display. The PDR-3 creates a well defined tool area that tells your customers they've come to the right place for their bicycle tool needs. The PDR-3 is sure to become one of the most profitable three square foot areas in the store.



PDR-3
Wall Display



Home Mechanic Tool Selection Guide



Mini Wall Display PDR-5

If you don't have the space for a full display system, check out the new PDR-5 Mini Wall Display. It's a great way to get your feet wet and to discover how profitable selling tools can be.

WWW.PARKTOOL.COM

Visit us on-line. In addition to descriptions and color photos of all Park Tool products, the website features our "Ask Tool Man" question and answer form, a schedule of events attended by the Park Tool Workstation (our on-the-road ride and race support vehicle), a directory of U.S. retailers with an in-house Park Tool Display Center, a worldwide distributor directory, and a mailbox so you can e-mail the tool experts with any tool or repair question.

Intro To Repair Stands

Investing in a high quality repair stand is the first step toward building a high quality workstation. Over the past 30 years we've built over a hundred thousand workstands for home mechanics, shop mechanics, and professional race mechanics all over the world. Many of the PRS-1 stands we built in the 1960's are still in use daily, and we're constantly striving to improve and update our newest generation of stands. Each of our models offers different features and quality levels to ensure a model for nearly every purpose. All of our stands are made to allow full rotation to ensure a comfortable working position at all times. We also offer a complete line of replacement parts to keep your investment running smoothly. Ask any professional mechanic about their stand and you're bound to hear "Park Tool" as the response. Insist on the quality and innovation of genuine Park Tool workstands. Designed and built to last for years of use.

Park Tool Repair Stands feature the famous Park Tool clamp, unique enough to be granted a U.S. Patent.

Professional Race Stand PRS-5

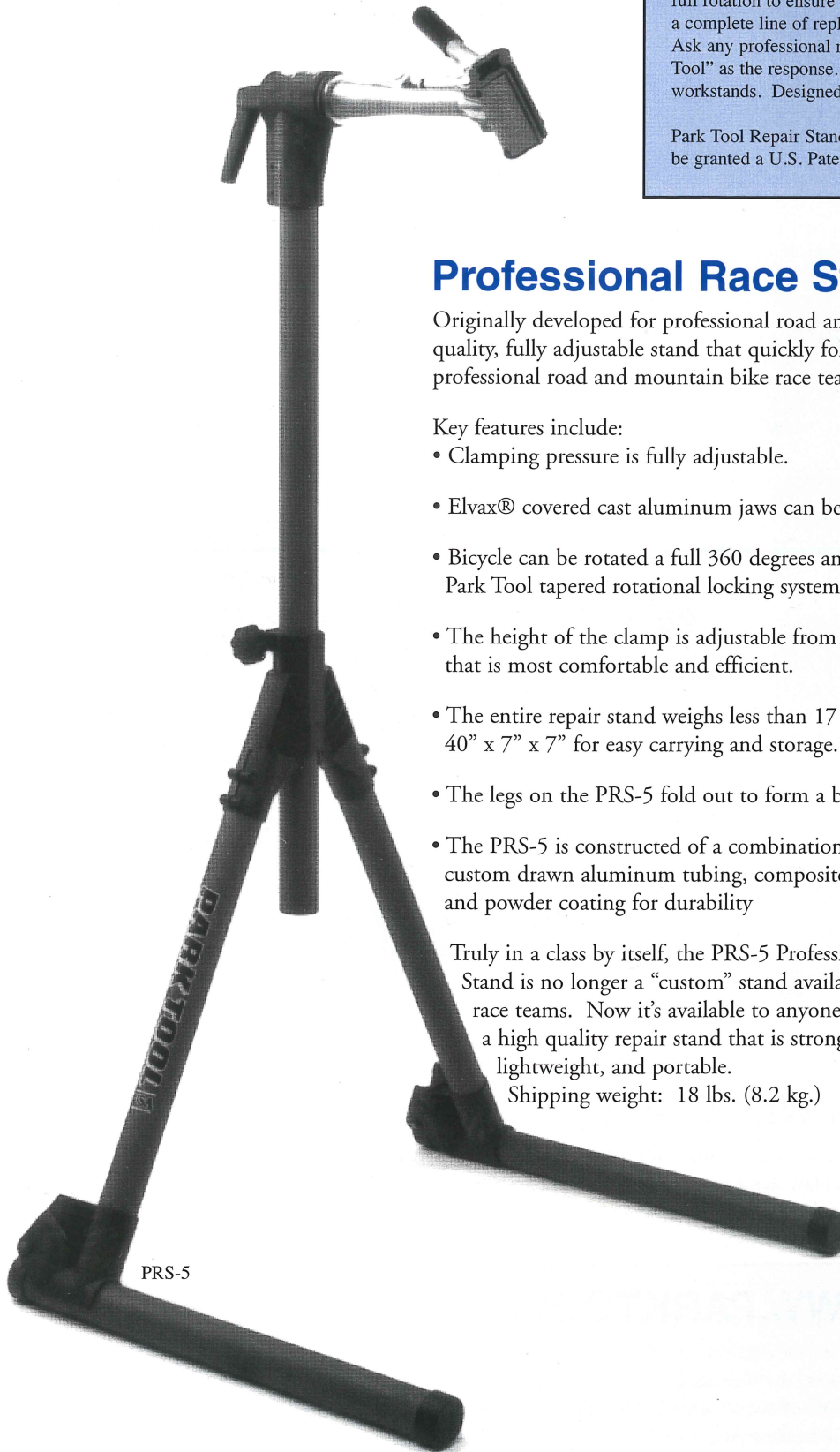
Originally developed for professional road and mountain bike race teams, the PRS-5 is a high quality, fully adjustable stand that quickly folds for easy transport and storage. Used by more professional road and mountain bike race teams than any other stand.

Key features include:

- Clamping pressure is fully adjustable.
- Elvax® covered cast aluminum jaws can be adjusted to fit any frame tube up to 1-3/8".
- Bicycle can be rotated a full 360 degrees and securely locked at any angle using the exclusive Park Tool tapered rotational locking system.
- The height of the clamp is adjustable from 40" to 60" so the user can work at the height that is most comfortable and efficient.
- The entire repair stand weighs less than 17 lbs. and quickly and easily folds down to 40" x 7" x 7" for easy carrying and storage. Includes nylon travel bag.
- The legs on the PRS-5 fold out to form a base that is super strong and stable.
- The PRS-5 is constructed of a combination of high tech materials: custom drawn aluminum tubing, composite fittings, and powder coating for durability

Truly in a class by itself, the PRS-5 Professional Race Stand is no longer a "custom" stand available only to race teams. Now it's available to anyone looking for a high quality repair stand that is strong, reliable, lightweight, and portable.

Shipping weight: 18 lbs. (8.2 kg.)



PRS-5



Fold, pack, and go!

Deluxe Double Arm Repair Stand PRS-2OS

The standard for the past 30 years just got fatter. We've increased the diameter of the upright tube and increased its length, providing better stability and making it possible to adjust to a higher working height of 50" to 62" (127-158cm). This positions the bike at a comfortable working height even when clamping on the seat post. The clamps rotate 360 degrees, allowing the bicycle to be positioned at any angle, and can be adjusted for frame tubes up to 1-3/8". Because the stand itself also rotates horizontally 360 degrees, one bicycle can be swung out of the way, allowing the other clamp to be used for "rush" repair jobs. The entire framework is heavily chrome plated and the steel base is painted. The stand is also available without the base.

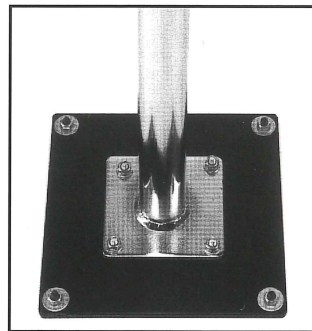
Shipping weight: 152 lbs. (68.9 kg.) with base
32 lbs. (14.5 kg.) without base



Floor Plate FP-2

Permanently and securely attach your Park Tool Repair Stand to the floor of your shop with our Floor Mounting Plate. Made with an 8" square of steel, it attaches to stand with four bolts which are included.

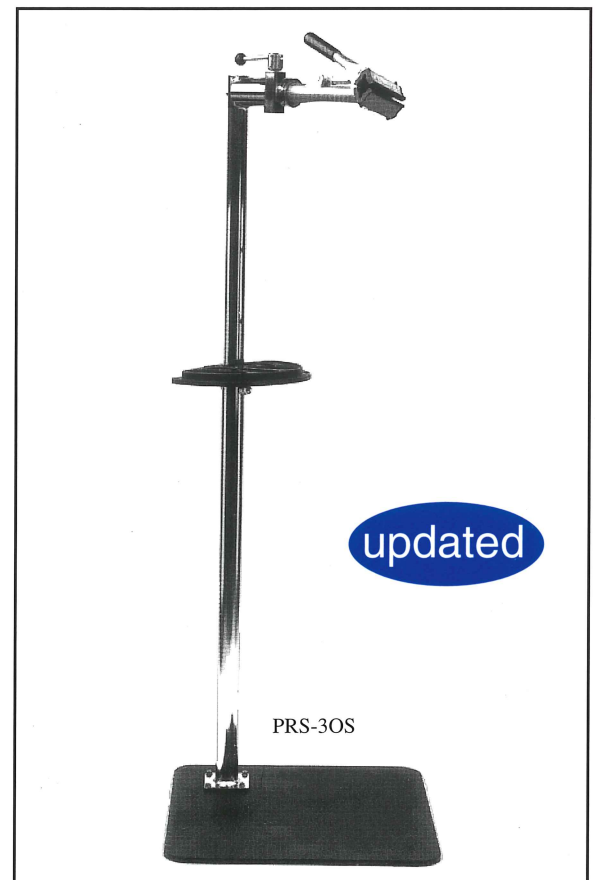
Shipping weight: 5 lbs. (2.3 kg.)



Deluxe Single Arm Repair Stand PRS-3OS

This stand is one-half of the Park Tool Deluxe Double Arm Repair Stand (PRS-2), and incorporates most of the same features in a stand suitable for smaller areas. The clamp rotates 360 degrees and is adjustable for virtually any size frame tubing up to 1-3/8". Clamp height is now adjustable from 50" to 62" (127-158cm) utilizing larger diameter tubing and a 68 pound base to ensure a rigid working station. The PRS-3 is heavily chrome plated and is also available without the base.

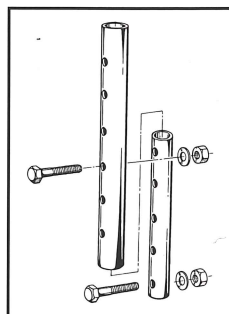
Shipping weight: 90 lbs. (40.8 kg.) with base
23 lbs. (10.4 kg.) without base



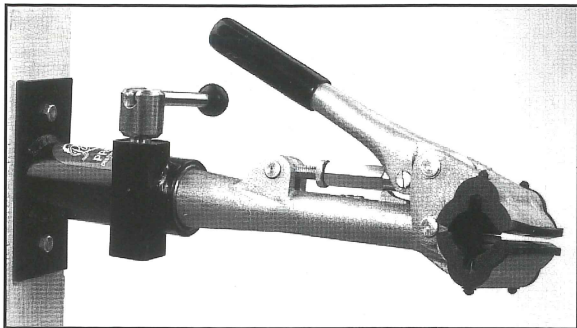
PRS-3 Extension #178

Use of this extension kit adds an additional 12 inches to the working height of the PRS-3 Repair Stand. Double sleeve system retains strength integrity without sacrificing adjustability. This extension will not work with the PRS-3OS repair stand.

Shipping weight: 4 lbs. (1.8 kg.)



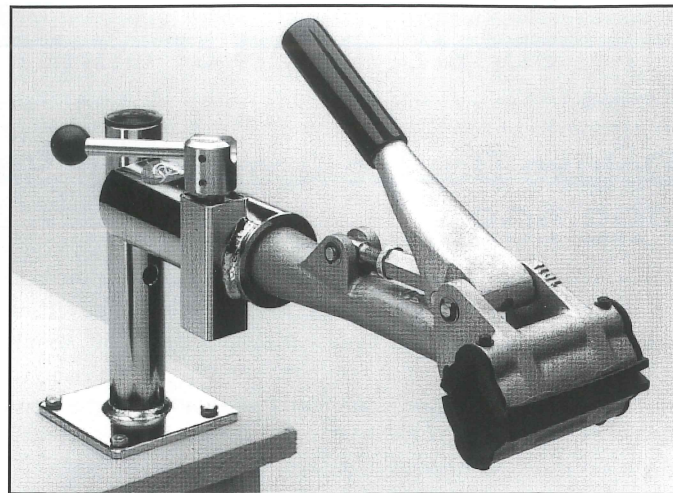
TECH NOTE: Because of the tremendous clamping pressure potential, a good rule of thumb when adjusting the deluxe clamp on PRS-2,3, and 4 is to adjust the clamp so it's possible to close it with the force of two fingers. This prevents damage to frames regardless of frame material.



Deluxe Wall Mount Repair Stand PRS-4W

Designed to be easily mounted to any post or wall stud, the PRS-4W is a shop quality stand using the same clamp and locking system as the PRS-2, PRS-3, and PRS-4. Powder coat finish. (Mounting bolts not included).

Shipping weight: 10 lbs. (4.5 kg.)



Deluxe Bench Mount Repair Stand PRS-4

The Deluxe Bench Mount Stand uses the same clamp as the PRS-2 and PRS-3. The clamp can be adjusted to two different working heights and rotates 360 degrees, allowing the bike to be positioned at any angle. Mounts easily to any flat surface. (Mounting bolts not included).

Shipping weight: 12 lbs. (5.4 kg.)



Floor Repair Stand PRS-12

The PRS-12 features our automatically adjusting spring clamp, as well as our heavy duty lock block system for securing the clamp in the stand. The clamp of the PRS-12 rotates 360 degrees and quickly and securely clamps any tube up to 1-3/8". The stable base and upright are constructed of heavy gauge tubular steel, powder coated for durability. Clamping height is 40". The PRS-12 can be directly mounted to the floor using Part #FP-2, Floor Mounting Plate.

Shipping weight: 29 lbs. (13.2 kg.)



Floor Repair Stand PRS-6

The PRS-6 features our best clamp, the infinitely adjustable 100-5C, and our super secure tapered rotational locking system. Stable self-standing base is constructed of heavy gauge tubular steel, powder-coated for durability. Clamping height is 40". This stand can be directly mounted to the floor by using Part #FP-2, Floor Mounting Plate.

Shipping weight: 27 lbs. (12.3 kg.) with base
15 lbs. (6.8 kg.) without base

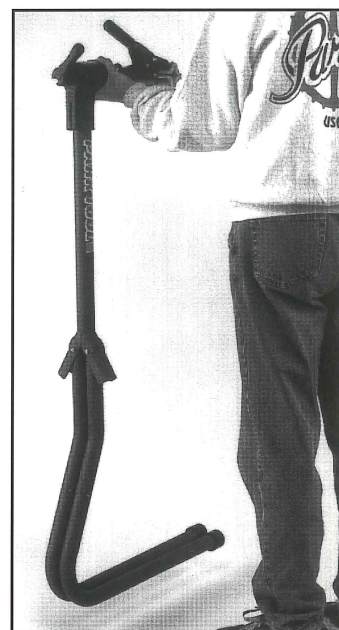
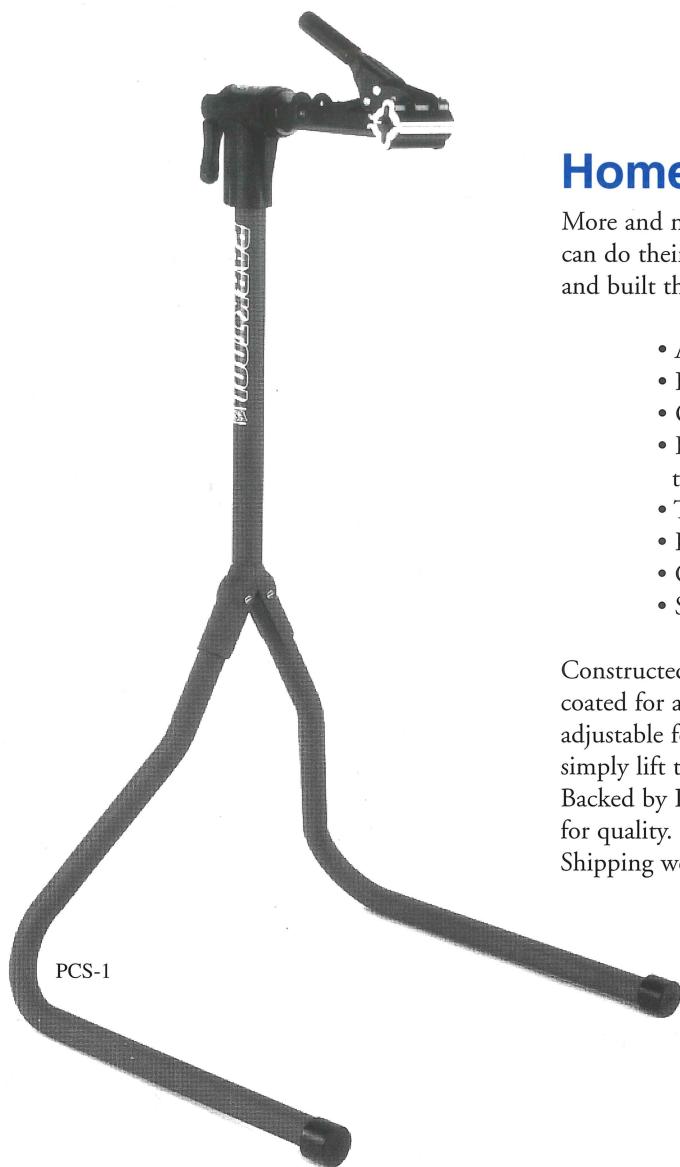
Home Mechanic Repair Stand PCS-1

More and more cycling enthusiasts are demanding a high-quality repair stand so they can do their own bicycle repairs. We've taken the best features of our shop stands and built them into this home mechanic stand:

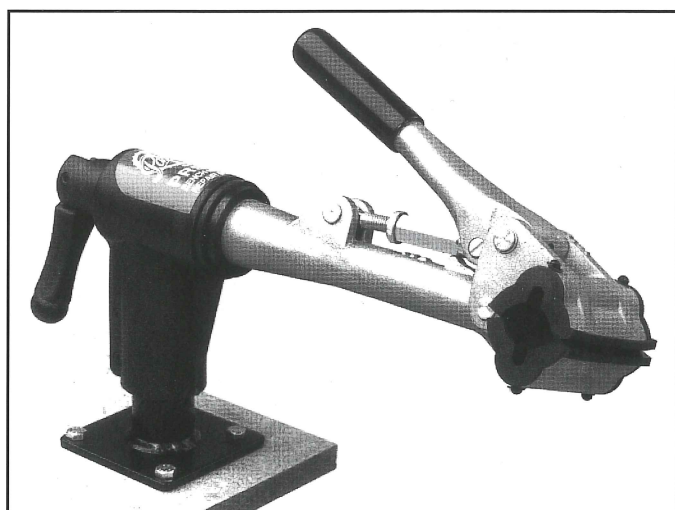
- A quick-adjusting clamp that fits frame tubes up to 1-5/8"
- Infinite 360 degree rotation for securing bike at a variety of angles
- Quality construction for years of trouble-free use
- Flip handle makes it easy to secure the angle of the bike
- Tapered rotational locking system
- Folds easily for storage
- Competitively priced
- Strong, sturdy, and attractive

Constructed of heavy steel tubing and powder coated for a long lasting finish. Rubber feet are adjustable for uneven floors. For easy storage, simply lift the stand and the legs fold together. Backed by Park Tool warranty and reputation for quality.

Shipping weight: 21 lbs. (9.5 kg.)



Just lift and the PCS-1 folds.



Bench Mount Repair Stand PRS-7

Easily mounted on any workbench. Uses the same adjustable linkage clamp and locking system as the PRS-6. Mounting flange has four holes, allowing use of bolts or lag bolts to mount. Durable powder coated finish. (Mounting bolts not included).

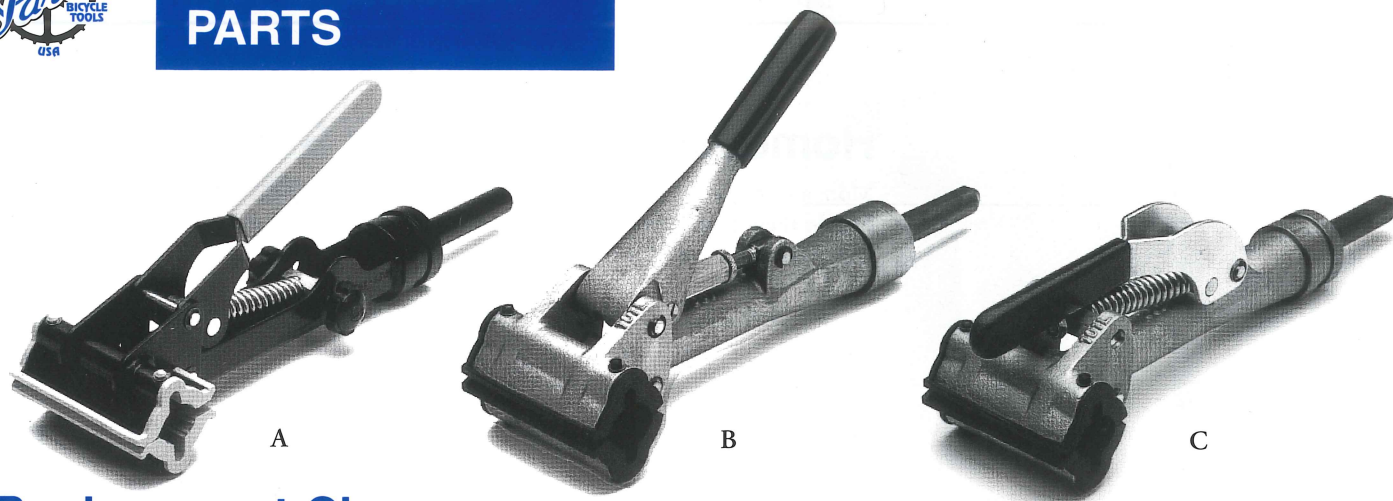
Shipping weight: 10 lbs. (4.5 kg.)



Home Mechanic Bench Mount Repair Stand PCS-2

This is the bench mount version of our popular Home Mechanic Repair Stand (PCS-1). It incorporates the same adjustable clamp and will rotate the bicycle 360 degrees, holding it steady at any angle. Durable powder coating. Mounts to any flat surface. (Bolts not included).

Shipping weight: 9 lbs. (4.1 kg.)



Replacement Clamps

Replacement clamps fit frame tubes from 1" to 1-3/8", allow for cable routing on the top tube, and feature replaceable jaw covers.

A. 100-2C Spring Linkage Clamp

Fits PCS-1 and PCS-2 stands made before 6/96

Shipping weight: 4 lbs. (1.8 kg.)

B. 100-3C Adjustable Linkage Clamp

Fits PRS-2, PRS-3, and PRS-4 stands

Shipping weight: 6 lbs. (2.7 kg.)

C. 100-8C Spring Linkage Clamp

Fits PRS-6, PRS-7, and PRS-8 stands made before 6/96

Shipping weight: 6 lbs. (2.7 kg.)

D. 100-1C Spring Linkage Clamp

Fits PCS-1 and PCS-2 stands made after 6/96. Fits up to 1-5/8" tube. Shipping weight: 6 lbs. (2.7 kg.)

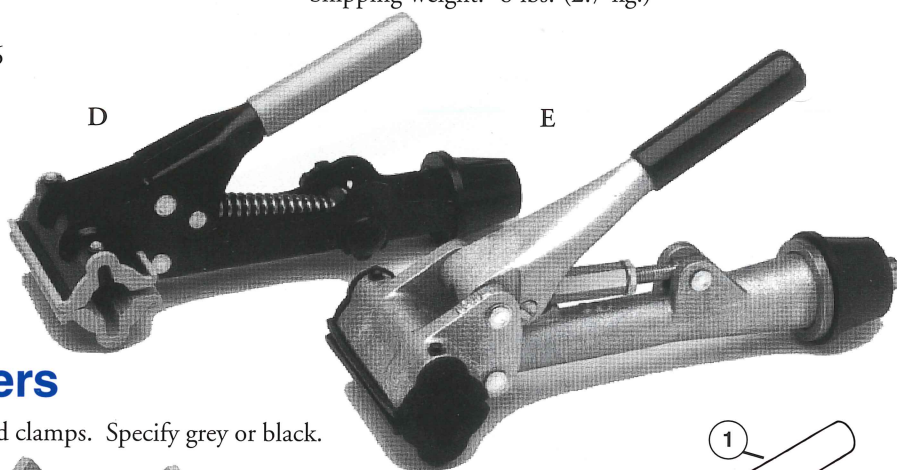
E. 100-5C Adjustable Linkage Clamp

Fits PRS-5, PRS-6, and PRS-7 stands made after 6/96

Shipping weight: 6 lbs. (2.7 kg.)



#466



Replacement Clamp Covers

Available in three models to fit all Park Tool Repair Stand clamps. Specify grey or black.

#468 Fits all new clamps with double cable reliefs.

#468G (Grey) Fits PCS-1 and PCS-2

#468B (Black) Fits PRS-2 through PRS-8

#467 Fits all clamps with single cable relief.

#467G (Grey) Fits PCS-1 and PCS-2

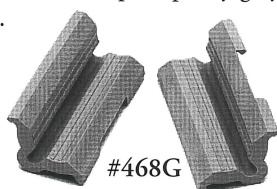
#467B (Black) Fits PRS-2 through PRS-8

For #468 or #467, simply discard old covers and install new covers. Each set includes two circlips.

#466 Fits original clamps with plastic-dipped jaws.

Old plastic should be removed before installing new covers. Available in black only, as shown above.

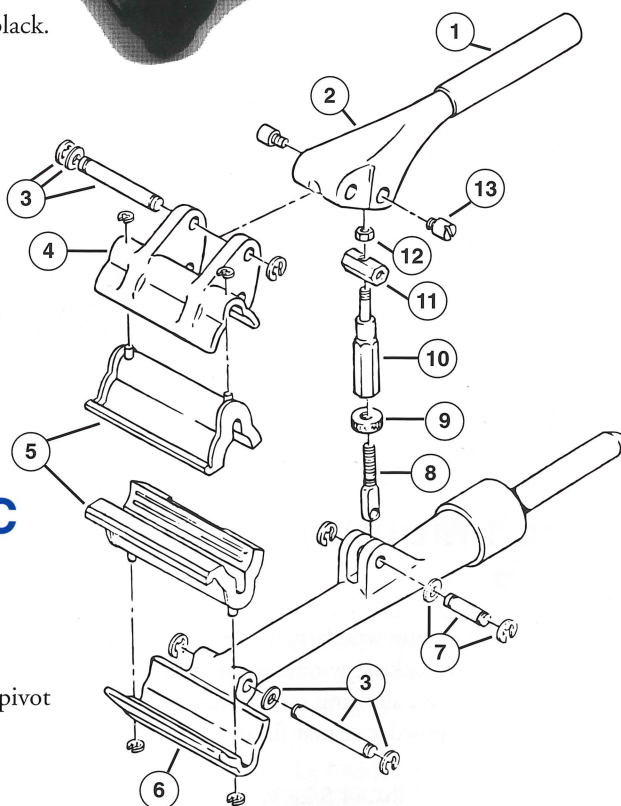
Shipping weight: 2 ozs. per pair (.06 kg.)

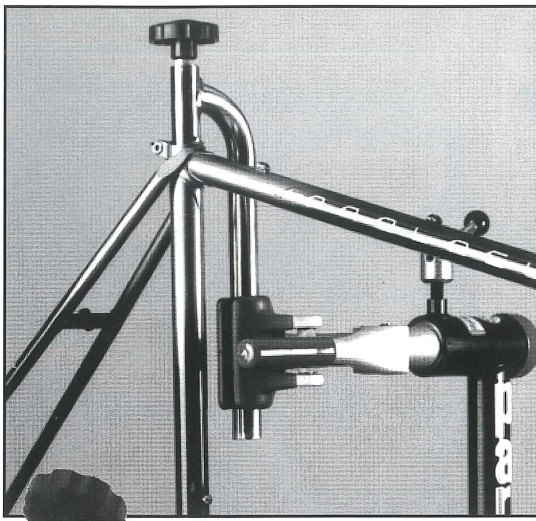


#468G

Replacement Parts for Clamp #100-3C

Ref. #	Part #	Description	Ref. #	Part #	Description
1	138	Handlegrip	8	117S	Eyebolt
2	103S	Handle	9	119S	Knurled locknut
3	107S-2	Pin w/washers and circlips	10	118S	Adjusting barrel
4	101-3	Moveable jaw	11	121S	Adjusting barrel pivot
5	468B	Clamp cover set w/circlips	12	136	Nut, 1/4-20
6	102-3	Rotating shaft	13	116S	Cap screw
7	108S-2	Pin w/washers and circlips			





Internal Seat Tube Clamp ISC-1

Clamping directly onto frames made from ultra-thin materials and carbon fiber can cause inadvertent frame damage. The ISC-1 is designed to allow you to hold frames securely without clamping onto a tube and to raise the bike to a more comfortable working height. To use, insert the ISC-1 into the seat tube, turn the knob to expand the tool, and then clamp into any Park Tool Repair Stand. Fits frames with seat tube diameters 25mm to 27.4mm (most road bikes and mountain bikes).

Shipping weight: 3 lbs. (1.4 kg.)



Handlebar Holder HBH-1

The Handlebar Holder is designed to hold the handlebars stationary, keeping the front wheel from "flopping" while the bike is worked on. It will hold the handlebar securely when the bicycle is rotated to any position in your Park Tool Repair Stand. Works on virtually all mountain and road bikes. Velcro® strap is included to attach the Handlebar Holder to the frame.

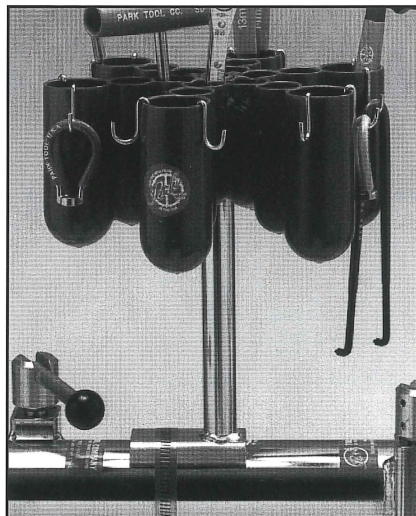
Shipping weight: 1 lb. (.5 kg.)



Work Tray #104

This large tray is ideal for holding small parts and tools. It features deep sides so small items stay put. A variety of slots and holes hold any tool. Fits all Park Tool Repair Stands except PRS-2OS and PRS-3OS.

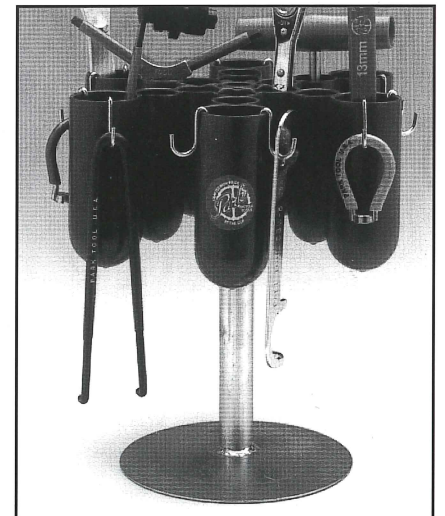
Shipping weight: 2 lbs. (.9 kg.)



Tool Kaddies TK-2 and TK-3

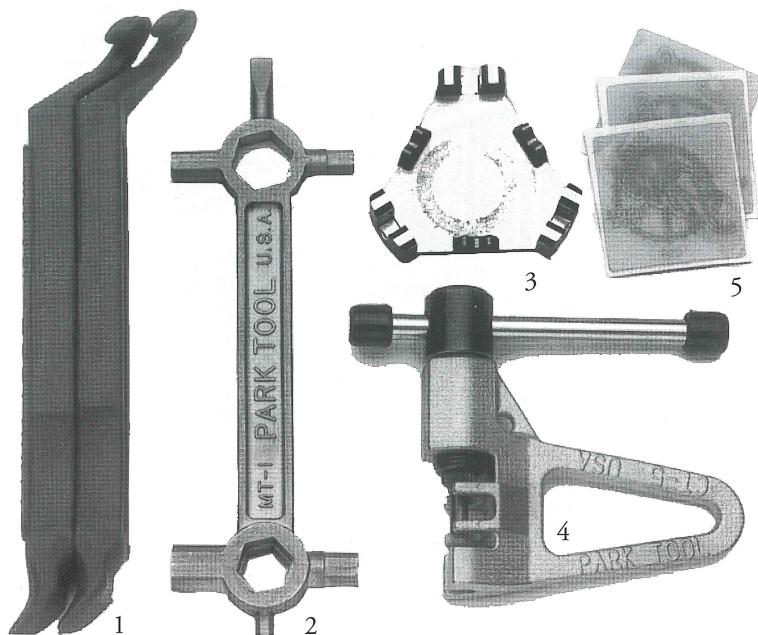
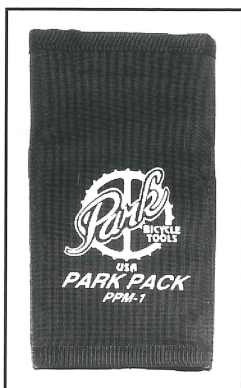
This handy unit is perfect for storing frequently used tools right at your fingertips. The Tool Kaddie rotates to bring needed items up close, features deep pockets, and includes 12 hooks. Also an ideal place to store pencils, pens, rulers, etc. when used on a desk. The TK-2 mounts easily on most Park Tool Repair Stands using the included mounting hardware. The TK-3 is a free standing model for use on any flat surface such as a bench, desk, or countertop.

Shipping weight: 4 lbs. ea. (1.8 kg.)



Park Pack Mini Tool Kit PPM-1

When we set out to design a tool kit we decided that we didn't want to make just another set of "emergency" tools. Instead, we wanted a set of real tools that would be as useful in the workshop as on the road or trail. Introducing the Park Pack Mini Tool Kit, the first set of "shop quality" tools small and light enough to go along for the ride.



Included in the Park Pack Mini Tool Kit:

1. TL-1 Tire Levers - The unique design of these lightweight tire levers actually helps lift the tire away from the rim, preventing the tube from being pinched. Made of a strong, glass-injected nylon for long life and damage-free operation. Two TL-1 Tire Levers per Park Pack.
2. MT-1 Multi Tool - The MT-1 is a high quality multi tool that is uncomplicated, easy to use, and effective. Made of investment cast tool steel and electroless nickel plated for durability, the MT-1 features 3, 4, 5, 6, and 8 mm hex wrenches; 8, 9, and 10 mm socket wrenches, and a flatblade screwdriver. Each of the nine tools is carefully positioned so the MT-1 can be effectively used on those "tough to get to" nuts, bolts, and screws.
3. SW-7 Multi Spoke Wrench - The professional quality, precision sized SW-7 fits the three most popular spoke nipple sizes on the market. The SW-7 is electroless nickel plated for years of service.
4. CT-5 Mini Chain Tool - A small chain tool that actually performs like a shop tool. The CT-5 features a fine thread, a sturdy "V"-shaped handle, a super strong replaceable pin, and even a special "loosening shelf" for adjusting tight links. The CT-5 works on any derailleur chain, including Hyperglide. Made of investment cast tool steel and electroless nickel plated for long life.
5. GP-2 Super Patches - A patch that actually works without the mess and hassle of a tube of glue. Just peel and stick. Nothing's faster or easier. Lighter and less bulky than traditional patch kits. Works great on road or mountain bikes. Three GP-2 Super Patches per Park Pack.

All the tools in the Park Pack Mini Tool Kit fit neatly into a special Park Pack "Wallet" that can easily be tucked in a seat pack or cycling jersey. Like all Park Tool products, all the items in the Park Pack are made in the U.S.A.

Shipping weight: 6 ozs. (.2 kg.)

Super Patch Kit GP-2

NEW AND IMPROVED MATERIAL! Our highly rated GP-1 Glueless Patch is now the GP-2 Super Patch and it's better than ever. This new patch combines better adhesion and an all new super stretchy film that flexes, twists, and turns right along with the tube. With the help of 3M technology the new GP-2 is sure to make it easier than ever to patch tubes with no glue, and no mess. Lightly rough tube with the included sandpaper, clean, apply patch, and you're ready to go. Six patches with sandpaper in a neat little carry along box. Available individually carded (GP-2C) or in a handy 50 kit countertop display.

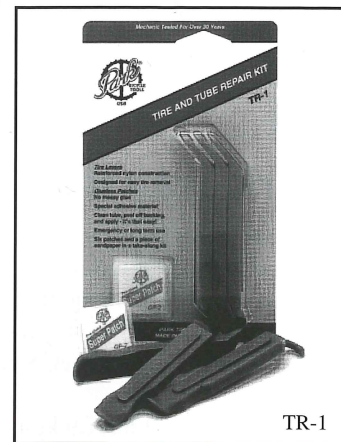
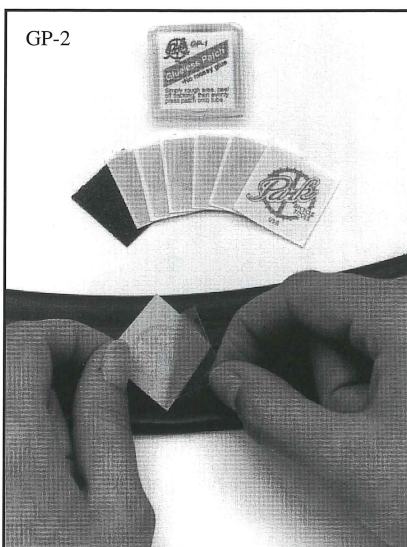
Shipping weight: .16 ozs. (.005 kg.)

Tire and Tube Repair Kit TR-1

Our wildly popular GP-2 Super Patch Kit and TL-1 Tire Levers packaged together as a kit. Three Tire Levers and a box with six patches and one piece of sandpaper on a blister card.

Packaged carded: TR-1C

Shipping weight: 2.2 ozs. (.06 kg.)



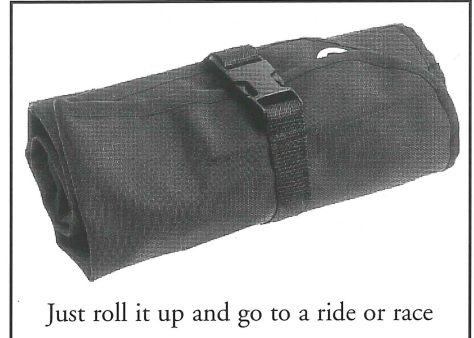
Roll-Up Workshop BK-1

Take your bike apart, put it back together. This tool set can help you do it all. A great way to start a home mechanic on his or her way to tool heaven. We've combined 18 of our most popular shop grade tools, some in a compact version, to create a set that's perfect for home projects and sure to whet the appetite of any tool freak. Add this tool kit to a few household tools and the repair and maintenance possibilities are endless. A roll-up cordura carrying case combines multiple pockets, mesh storage pockets, grommets for tool board hanging, and a super tough buckle/handle to keep it all together. Perfect for the races!

Shipping weight: 4.3 lbs. (2 kg.)

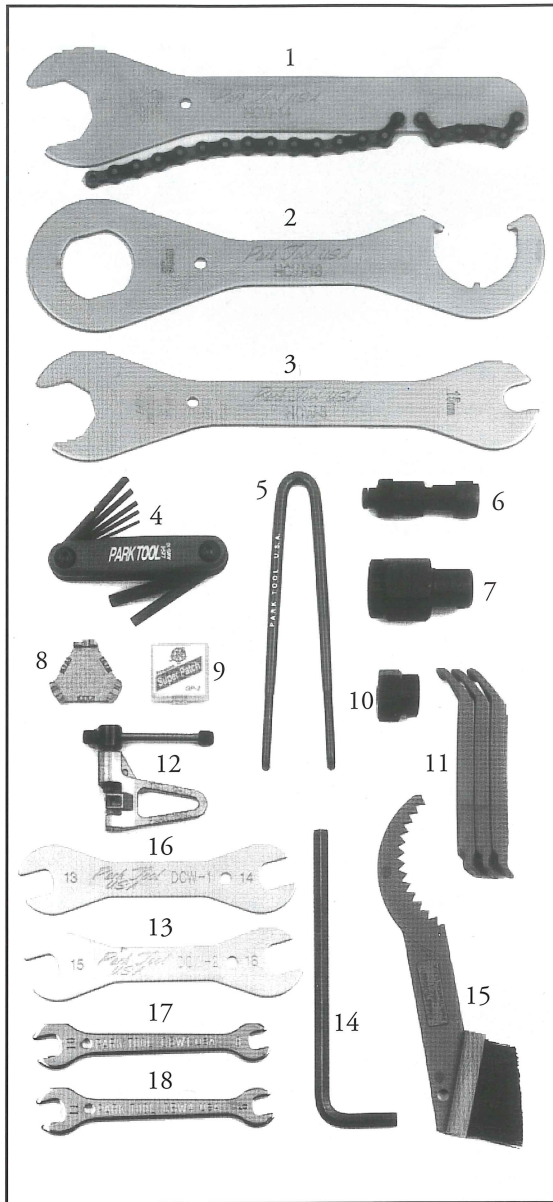
Included in the Roll-Up Workshop:

1. 36mm head wrench and chain whip (HCW-14)
2. 36mm fixed cup and locking spanner (HCW-13)
3. 32mm head wrench and 15mm pedal wrench (HCW-6)
4. Hex set: 1.5, 2, 2.5, 3, 4, 5, and 6mm (AWS-10)
5. Adjusting cup pin spanner (SPA-1)
6. 14mm crank wrench and puller (CWP-5)
7. Shimano cartridge tool (BBT-2)
8. Triple spokewrench (SW-7)
9. Glueless patch kit (GP-2)
10. Shimano freehub locking tool (FR-5)
11. Tire levers (TL-1)
12. Mini Chain Brute chain tool (CT-5)



Just roll it up and go to a ride or race

13. 15 & 16mm cone wrench (DCW-2)
14. 8mm hex wrench (HR-8)
15. GearClean® Brush (GSC-1)
16. 13 & 14mm cone wrench (DCW-1)
17. 8 & 10mm open end wrench (CBW-1)
18. 9 & 11mm open end wrench (CBW-4)

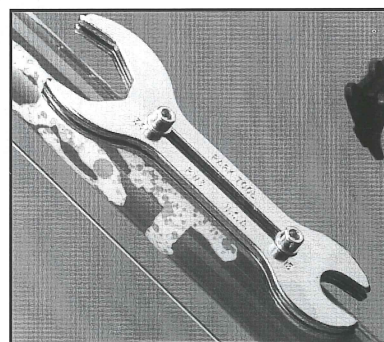
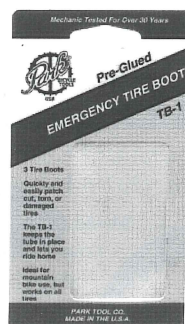
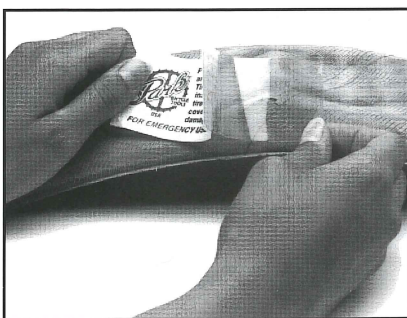


Emergency Tire Boot TB-1

Cut, scraped, and even worn sidewalls can easily and securely be patched using the Park Tool TB-1 Tire Boot. The TB-1 is made with a thin, extra tough film that will withstand the most demanding conditions on the road or trail until the tire can be replaced. To use, simply peel off the protective backing and position the TB-1 inside the tire casing over the cut or worn area. A super strong adhesive using 3M technology keeps the TB-1 in position while reinstalling the tire and tube. There's no easier or more effective way to boot a cut or worn tire.

Packaged carded: TB-1C

Shipping weight: .6 oz. (.02 kg.)



Road Wrenches RW-1 and RW-3

An ideal head and pedal wrench to carry along. Small size fits in small bag, or mounts under water bottle cage using slotted center. Chrome plated tool steel.

RW-1 32mm head wrench and 15mm pedal wrench.

RW-3 36mm head wrench and 15mm pedal wrench.

Packaged carded: RW-1C, RW-3C

Shipping weight: 4 ozs. ea. (.1 kg.)

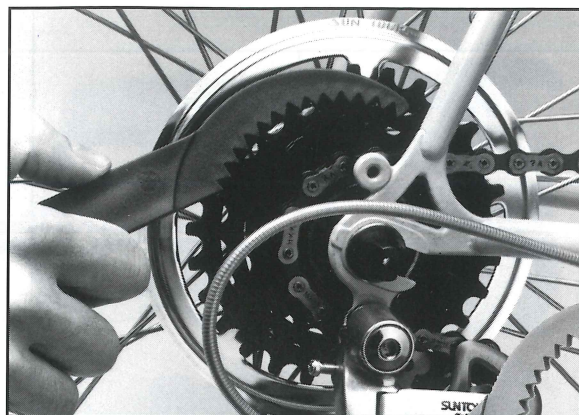




ChainMate® Chain Scrubber CM-3

The patented ChainMate Chain Scrubber is made with a tough plastic base material and has replaceable cleaning brushes, Part #RBS-1 Replacement Brush Set, for extended product life. The ChainMate features an in-line chain track for less chain resistance. Made for use on all derailleur and most 3-speed and coaster chains. A wide profile and a wide base provide stability, and a large reservoir provides extra solvent capacity. The twist lock is quick and positive. The funnel-style filler hole makes it easy to fill the reservoir with solvent. Park Tool ChainBrite is recommended.

Shipping weight: 6 ozs. (.2 kg.)



GearClean® Brush GSC-1

Park Tool's patented GearClean Brush has a unique design. A large comfortable handle with a curved, toothed-end reaches dirt deep between the gears, and tough nylon bristles clean the derailleur and chain. Saves wear and tear on your chain and free-wheel. Works great on brakes or other places where dirt collects. Handy size to take along for quick cleaning anywhere. Made of sturdy nylon.

Packaged carded: GSC-1C

Shipping weight: 6 ozs. (.2 kg.)

BIO ChainBrite™ CB-5

Completely biodegradable, BIO ChainBrite quickly cuts grease and grime, and frees sticky, gummed-up parts. Though it's a powerful degreaser, BIO ChainBrite will not harm any rubber seals, O-rings, or plastic parts, so it's safe to use for all your component cleaning. CB-5 has no noxious fumes and even contains a rust inhibitor. 16 oz. (474mL) bottle.

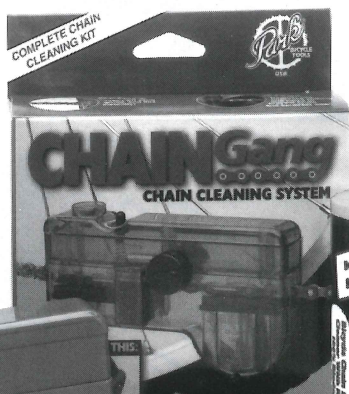
Shipping weight: 1 lb. (.5 kg.)



ChainBrite™ CB-1

Park Tool's original formula ChainBrite is specially formulated to use with the ChainMate Chain Scrubber. It quickly dissolves grease and gum deposits, leaving a clean, fresh, protective lubricant coating for smooth quiet operation. A handy flip-top lid on the 16 oz. (474mL) bottle makes spill free pouring easy.

Shipping weight: 1 lb. (.5 kg.)



Chain Gang Chain Cleaning System CG-1

A dirty drivetrain causes poor shifting and unnecessary wear to expensive parts. The Chain Gang contains everything needed to quickly and easily clean the chain, free-wheel cogs, and chainrings. The Chain Gang includes a Chainmate® Chain Scrubber, a GearClean® Brush, and an 8 oz. (237 mL) bottle of BIO ChainBrite™. The CG-1 works on all derailleur bikes and most 3-speed and coaster brake bikes.

Shipping weight: 1.1 lbs. (.5 kg.)





9-Speed
Compatible

Screw Type Chain Tool CT-3

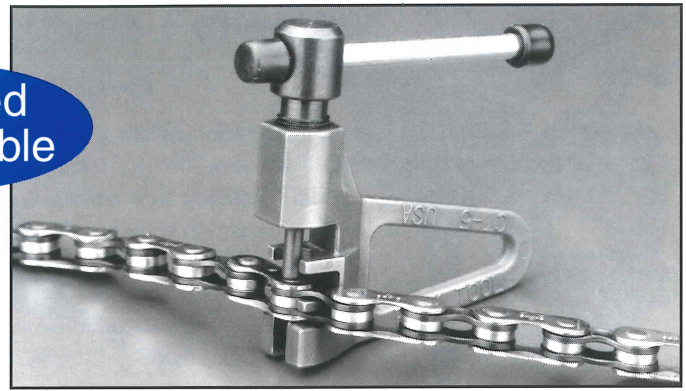
Because of the tremendous force needed to remove chain pins, our Screw Type Chain Tool is now made from investment cast tool steel. Along with superior strength and durability, the CT-3 features a handy "loosening shelf" to remedy stiff links after reassembly. The fine thread and comfortable size enable easy removal of even the toughest chain pins. Like all Park Tool Chain Tools, it's Hyperglide compatible.

Shipping weight: 9.8 ozs. (.3 kg.)

Replacement Chain Tool Pin CTP

These pins (not shown), fit Park Tool's CT-1, CT-2, and CT-3 Chain Tools. Made from hardened alloy tool steel.

Shipping weight: 9 ozs. per 100 (.3 kg.)



Mini Chain Brute Chain Tool CT-5

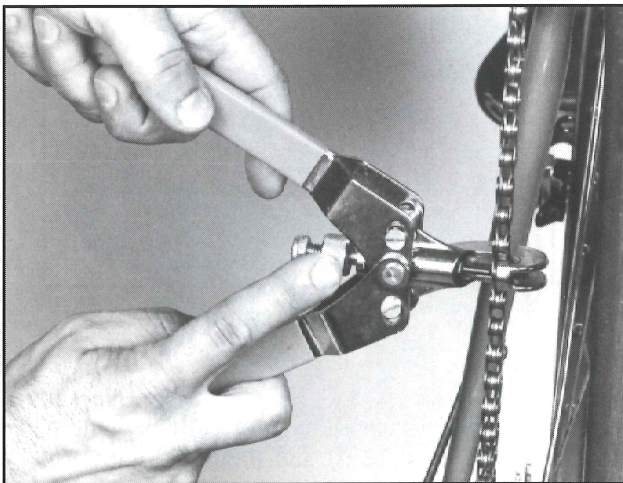
This small chain tool goes anywhere and actually performs like a shop quality tool. The fine thread, special "V"-shaped handle, and super strong replaceable pin make chain removal and installation a breeze. The CT-5 works on any derailleur chain (including Hyperglide) and has a "shelf" for loosening tight links. At only 77 grams, it's the perfect take-along chain tool.

Shipping weight: 2.7 ozs. (.08 kg.)

Replacement Chain Tool Pin CTP-5

These pins (not shown), fit Park Tool's CT-5 Mini Chain Brute Chain Tool. Made from hardened alloy tool steel.

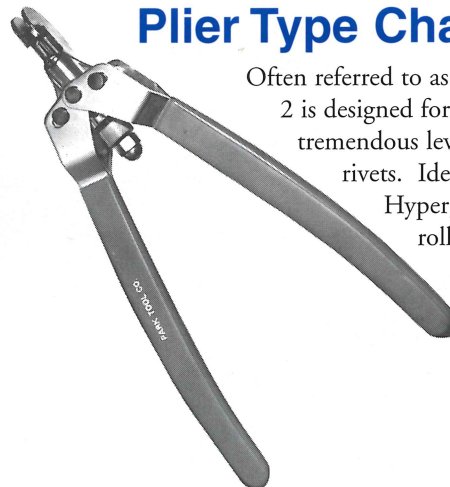
Shipping weight: 9 ozs. per 100 (.3 kg.)



Plier Type Chain Tool CT-2

Often referred to as the Park Tool "Super Chain Tool," the CT-2 is designed for fast easy removal or repair of chains. The tremendous leverage generated removes even the toughest rivets. Ideal for use on Shimano Uniglide and Hyperglide chains. To use, simply put the chain roller in the built-in recess and squeeze the handles. The travel adjusts to return the rivet back the proper distance.

Shipping weight: 1.5 lbs. (.7 kg.)



new!

Chain Checker CC-2

To alleviate poor shifting and uneven train wear, most manufacturers recommend chain replacement at 1% stretch. Now you can quickly and accurately determine the wear and stretch of any chain with the Park Tool Chain Checker. Simply insert the Chain Checker's pins into two links, press the swing arm gauge tight, and then check the gauge window for an accurate reading.

Shipping weight: 2.2 ozs. (.06 kg.)



HEX WRENCH TOOLS



AWS-1

updated

Hex Wrench Set AWS-1

We've improved our popular hex wrench with a comfortable composite center. The AWS-1 features three common sized (4mm, 5mm, and 6mm) and the Y shape gives you extra leverage for tight bolts. Hex extensions are vinyl coated for comfort.

Packaged carded: AWS-1C

Shipping weight: 2.4 ozs. (.07 kg.)



AWS-3

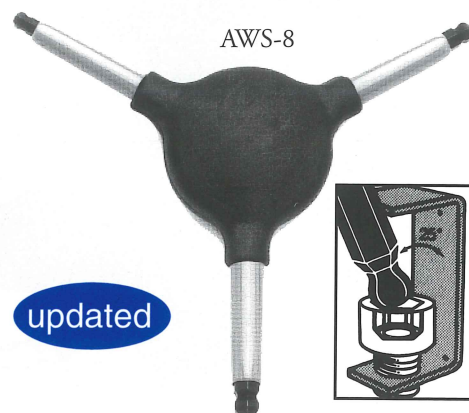
new!

Hex Wrench Set AWS-3

We've added to our line of combination wrenches with the AWS-3. It features three new size hex wrenches (2mm, 2.5mm, and 3mm) and a comfortable center. Hex extensions are vinyl coated for comfort.

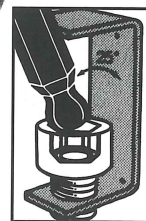
Packaged carded: AWS-3C

Shipping weight: 2 ozs. (.06 kg.)



AWS-8

updated



Hex Wrench Set AWS-8

Our Bondhus Balldriver® hex wrench set is great for hard to get to screws. The unique ball-end design allows for an entry angle up to 25 degrees. The AWS-8 features three common sizes (4mm, 5mm, and 6mm) and the Y shape provides great leverage for tight bolts. Hex extensions are vinyl coated.

Packaged carded: AWS-8C

Shipping weight: 2.4 ozs. (.07 kg.)



AWS-9

updated



AWS-10

updated



AWS-11

updated

Fold Up Hex Wrench Sets

AWS-9

Our one piece fiber-reinforced resin handle is smooth, easy to handle, and stronger than any steel fold up tool we've tried. 4mm, 5mm, and 6mm hex wrenches plus a phillips and standard screwdriver make the AWS-9 a great carry-along emergency tool, plus a great shop tool. This tool can be used in 3 different positions including a right angle positive stop position. Hex wrenches are made of 8650 chrome vanadium tool steel with neatly chamfered tips for a perfect fit. Weighs just 116 grams (4.1 ounces).

Packaged carded: AWS-9C

Shipping weight: 4.1 ozs. (.1 kg.)

AWS-10

The AWS-10 combines all the popular sizes in one convenient, super tough fold-up. Each hex is made of 8650 industrial strength chrome vanadium tool steel with chamfered tips to ensure a positive, accurate fit. 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, and 6mm sizes in a glass-injected resin one piece handle that positions each hex in an easy to use position every time. Tougher and lighter than any steel handle fold up set, the AWS-10 is sure to be seen in tool boxes, wedge packs, and workshops everywhere.

Packaged carded: AWS-10C

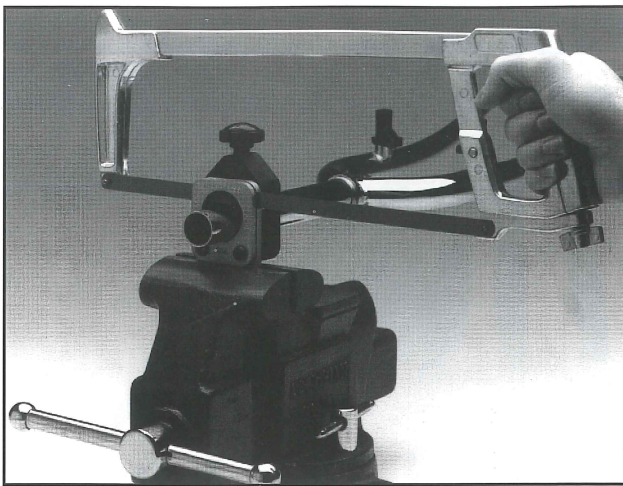
Shipping weight: 3.8 ozs. (.1 kg.)

AWS-11

The bike shop quality AWS-11 features 3mm, 4mm, 5mm, 6mm, 8mm (crank bolts), and 10mm (freehub) hex wrenches with precision chamfered tips for a tight fit. One piece fiber-reinforced resin handle is lightweight, comfortable, slip-resistant, and 40% stronger than traditional steel handles. The perfect tool for home or professional mechanic.

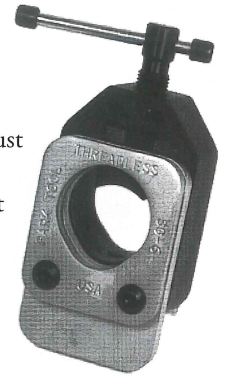
Packaged carded: AWS-11C

Shipping weight: 8.8 ozs. (.3 kg.)



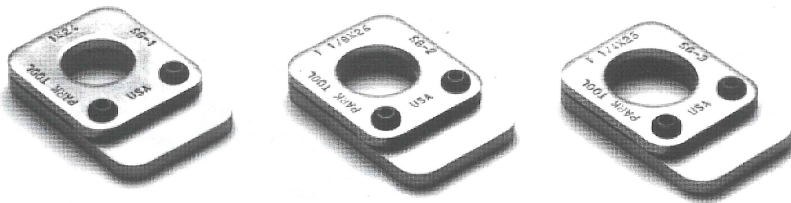
Threadless Fork Saw Guide SG-6

Designed to ensure a straight, clean cut on threadless forks, the SG-6 fits 1", 1-1/8" and 1-1/4" forks. A must for use with threadless fork systems. Simply slide the guide onto any threadless fork, clamp it down, and cut using the narrow cutting slot. Heat treated for long life. For threaded forks, use SG-5 Guide Set which cleans the threads after cutting. Shipping weight: 13.5 ozs. (.4 kg.)



Saw Guide Set SG-5

Cut any fork quickly and easily with these handy fork stack cutting guides. The SG-5 Guide Set contains a guide for each of the three tube diameters 1", 1-1/8", and 1-1/4". Heat treated for long life, each guide cleans the freshly cut threads upon removal so headset parts install easily. Cut as little as 1mm from any fork. Shipping weight: 2 lbs. (.9 kg.)



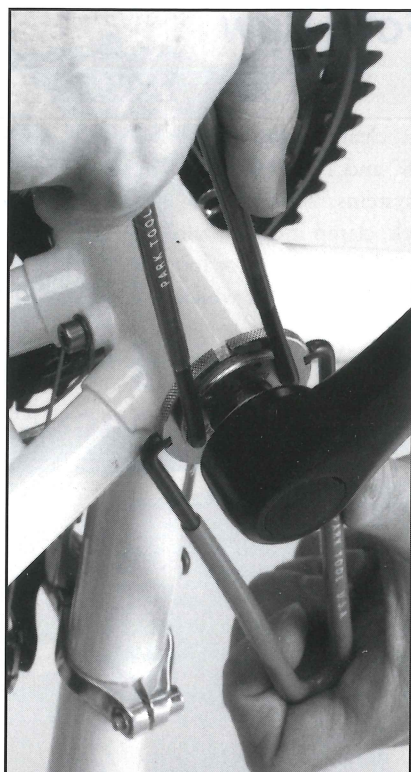
Multi Tool MT-1

The MT-1 is a high quality multi tool that is uncomplicated, easy to use, and effective. Made of investment cast tool steel and electroless nickel plated for durability, the MT-1 features 3mm, 4mm, 5mm, 6mm, and 8mm hex wrenches; 8mm, 9mm, and 10mm socket wrenches, and a flatblade screwdriver. Each of the nine tools is carefully positioned so the MT-1 can be effectively used on those "tough to get to" nuts, bolts, and screws. Packaged carded: MT-1C Shipping weight: 1.4 ozs. (.04 kg.)



Threadless Nut Setters TNS-1 and TNS-3

The Threadless Nut Setter is used to install the star-fanged nut found on AheadSet and other threadless headset systems. Thread the nut onto the TNS, insert into the fork stack, and tap it in with a hammer. Sets the star-fanged nut to 15mm and keeps it straight. Uses Part #822 Replacement Set Screws. TNS-1 Fits 1" and 1-1/8" forks TNS-3 Fits Freestyle Aheadset with hollow pull-up bolt Shipping weight: 1.2 to 1.7 lbs. ea. (.5 to .8 kg.)



Pin Spanner SPA-1 through SPA-4

Park Tool Pin Spanners have been designed to give maximum usefulness and versatility at the lowest possible cost. Tough, high carbon tool steel is used on each tool to ensure long life. Handle is vinyl coated to give a good grip. Each Pin Spanner is color coated for easy recognition.

SPA-1 (Green) Fits adjusting cup on most 3-piece cranks

SPA-2 (Red) Fits adjusting cone on most gear clusters.

SPA-3 (Blue) Fits locking on most 3-piece cranks.

SPA-4 (Yellow) Fits adjusting cone on most 1-piece cranks.

Packaged carded: SPA-1C through SPA-4C

Shipping weight: 2 ozs. ea. (.06 kg.)

Adjustable Spanner SPA-6

This spanner uses hardened, replaceable pins. Designed for heavy-duty use, the distance between pins is adjustable, allowing use on virtually any hanger cup. Uses Part #1501 Replacement Pins.

Packaged carded: SPA-6C

Shipping weight: 1 lb. (.5 kg.)

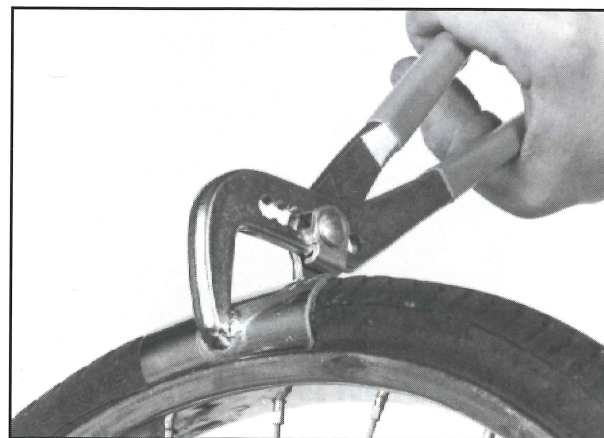


Tire Lever TL-1

Packaged in sets of three, the Park Tool Tire Levers are made of glass-injected nylon to ensure long life and damage-free operation. The unique design of the TL-1 actually lifts the tire away from the rim and keeps the tube from being pinched. These blue levers are available carded (TL-1C), or bulk in a 25-set counter display.

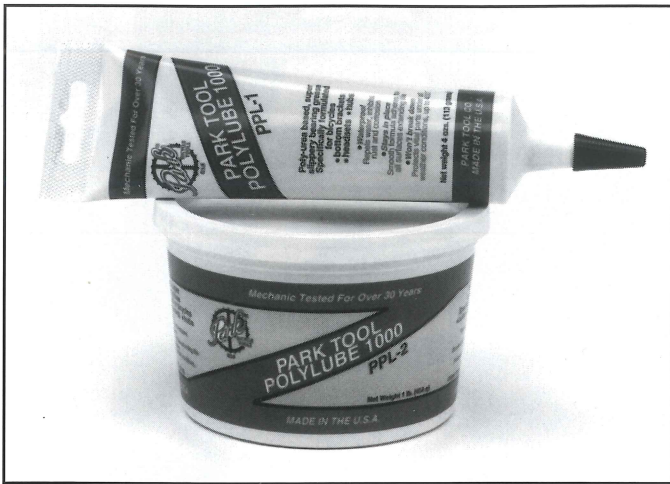
Shipping weight: 2 ozs. ea. (.06 kg.)

10 lbs. display (4.5 kg.)



Tire Seater PTS-1

This tool is designed to quickly and easily "seat" stubborn tires. During inflation tire beads often slip below the rim edge and are difficult to pull out. Simply place the non-slip jaws on the tire and lift out. The Park Tool Tire Seater adjusts to various tire widths. It's chrome plated and the handles are vinyl coated for comfort. Shipping weight: 1 lb. (.45 kg.)



PolyLube 1000 Lubricant PPL-1 and PPL-2

Park Tool's poly-urea based lubricant was developed specifically for bicycle maintenance and repair. PolyLube 1000 has an extremely high shear strength to protect vital parts under extreme conditions. PolyLube 1000 also repels moisture and is compatible with conventional greases. Available in a handy four-ounce tube (PPL-1) and a one-pound tub (PPL-2).

Shipping weight: 4.4 ozs. (.1 kg.) PPL-1
1.2 lbs. (.5 kg.) PPL-2



Chainring Nut Wrench CNW-1

This handy tool fits securely into the slots on the reverse side of a chainring bolt so it doesn't spin when loosening the bolt. Designed specifically for the job, the CNW-1 makes removing chainring bolts much easier.

Shipping weight: .7 oz. (.02 kg.)



Bicycle Storage Hooks #450 and #451

An ideal way to store bicycles, wheels, toys, ladders, etc.

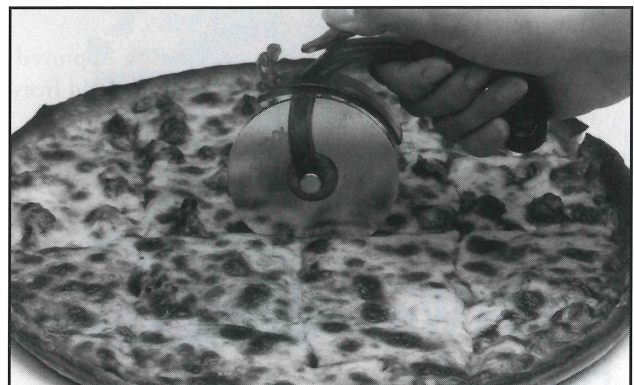
Machine Thread Hooks #450

Use steel tubing or angles as the support for these hooks. Complete with two hex nuts per hook on 1-1/2 inches of 5/16 - 18 machine thread. Black vinyl coated.

Wood Thread Hooks #451

With clean, sharp threads, heavy red vinyl coating, and zinc plating.

Shipping weight: 18 lbs. per 100 hooks (8.2kg.)



Big Wheel™ Pizza Tool® PZT-1

What bike shop would be complete without a good pizza cutter? The PZT-1 just happens to be a top-quality pizza cutter that looks like a high-wheeler. No hidden use, just a pizza cutter. Available only in the world famous "Park Tool Blue". Comes complete with display stand and gift box.

Shipping weight: 8.3 ozs. (.2 kg.)



Sprocket Remover SR-1

This combination chain whip and free-wheel/locking remover wrench is heat treated to prevent bending and flexing. It also features hardened pins to keep the chain in place and a comfortable handle.

Shipping weight: 14.5 ozs. (.4 kg.)

Sprocket Remover SR-2

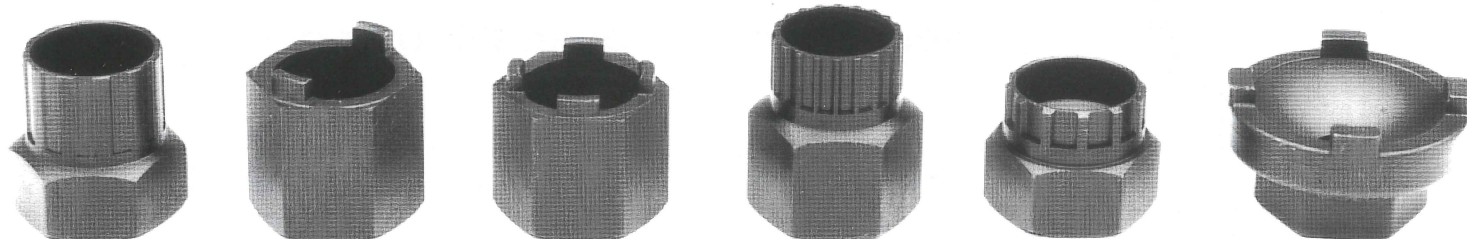
This shop quality chain whip gives you incredible leverage without worry of slippage. Heavy duty, heat treated head with a round vinyl coated handle. Hardened bolts hold securely and make chain replacement easy.

Shipping weight: 19 ozs. (.5 kg.)

Freewheel Remover Wrench FRW-1

This tool securely holds freewheel and locking tools (FR-1 through FR-5) for removal and installation. The extremely long round vinyl dipped handle provides fantastic leverage and features an investment cast head with locking knob.

Shipping weight: 21 ozs. (.6 kg.)



Freewheel Removers FR-1 through FR-6

Heat treated alloy tool steel, one inch base fits wrench or bench vise. Thin wall construction allows use without removal of cones and locknuts.

FR-1 Fits all Shimano freewheels since 1985, Uniglide before 1985; S.I.S. and Sachs Aris freewheels.

FR-2 Fits Sun Tour two notch freewheels. Not recommended for Sun Tour four to six notch freewheels.

FR-3 Fits all Sun Tour four notch freewheels since 1986.

FR-4 Fits Atom, Regina, splined Zeus, and some Schwinn Approved freewheels.

FR-5 Fits Shimano Hyperglide locking. (Note: You must hold freewheel with a Park Tool Sprocket Remover SR-1 or SR-2).

FR-6 Fits most popular four notch BMX freewheels

Packaged carded: FR-1C through FR-5C

Shipping weight: 4 ozs. ea. (.1 kg.)

36mm Head Wrench and Chain Whip HCW-14

This new wrench is a very useful combination of a Lazer sized 36mm head wrench and a chain whip. Shop quality, yet a perfect wrench for the mountain biker.

Shipping weight: 11.2 ozs. (.3 kg.)



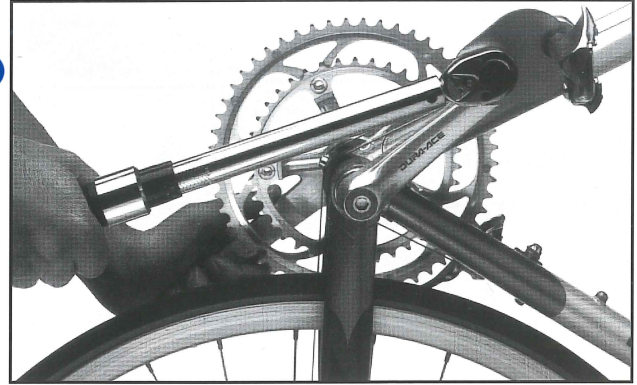


TORQUE WRENCHES

TW-3

TW-4

new!



Ratcheting Torque Wrenches TW-3 and TW-4

Using correct torque specifications is not only the sign of a professional bicycle shop, it helps protect mechanics and owners from potentially disastrous liability suits. Our new 3/8" drive shop quality torque wrenches offer the convenience of a ratcheting head. When the torque set on the handle has been achieved, an audible click is produced and the head of the wrench swivels distinctively assuring you've reached the correct torque. The TW-3 for torque forces of 30 - 250 inch pounds. The TW-4 for torque forces of 100 - 750 inch pounds.

Shipping weight: TW-3: 1 lb. (.5 kg.) TW-4: 2.5 lbs. (1.1 kg.)



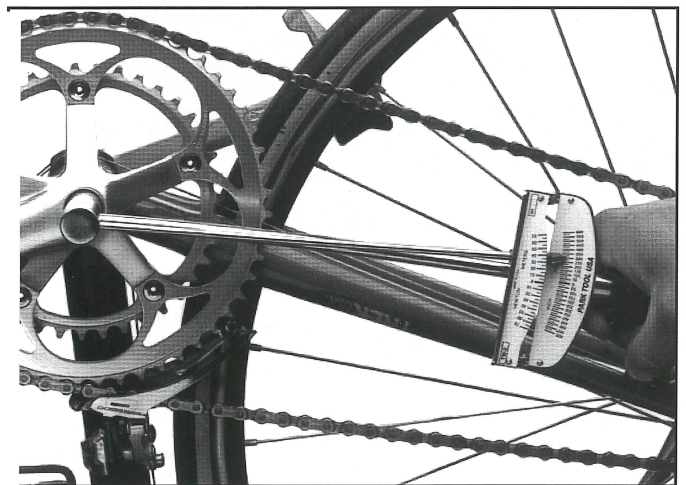
new!

Torque Wrench Sockets and Bits TWB-1

We've put together this exclusive set of sockets and bits specifically for bicycle mechanics. Our 14-piece set includes 8, 9, 10, 14, 15mm sockets; 4, 5, 6, 8, 10mm hex bits; 15mm pedal crow's foot, 32mm 8-point crow's foot, 36mm 6-point crow's foot, and 36mm 8-point crow's foot.

Shipping weight: 2.5 lbs. (1.1 kg.)

Individual Bits: 4mm hex bit (TWB-4), 5mm hex bit (TWB-5), 6mm hex bit (TWB-6), 8mm hex bit (TWB-8), 10mm hex bit (TWB-10), 15mm pedal crow's foot (TWB-15), 32mm 8-point crow's foot (TWB-32), 36mm 6-point crow's foot (TWB-366), 36mm 8-point crow's foot (TWB-368).



Torque Wrenches TW-1 and TW-2

Because torque specifications are now given for most parts and accessories, Park Tool offers two tough, accurate torque wrenches. The TW-1 is 1/4" drive and ranges from 0-60 inch pounds with compatible metric equivalents. The TW-2 is 3/8" drive and ranges from 0-600 inch pounds, also with adjacent metric scale. As torque requirements become more a part of everyday shop use, it is important for every mechanic. Shipping weight: TW-1: 1 lb. (.5 kg.) TW-2: 1.63 lbs. (.7 kg.)

T-Handled Screwdriver SD-1

This screwdriver is specially designed to deliver extra torque necessary to get brake levers really tight. The blade fits into the narrowest brake levers.

Shipping weight: 3 ozs. (.09 kg.)



Cable and Housing Cutter CN-4

An updated version of our popular CN-2 Cable Cutter, the CN-4 has a better feel, a stronger spring, and a redesigned head that cuts both cable and housing (including index housing) quickly and cleanly. Made of heat treated, high carbon tool steel, this new Cable and Housing Cutter is sure to cut... and cut... and cut...

Packaged carded: CN-4C

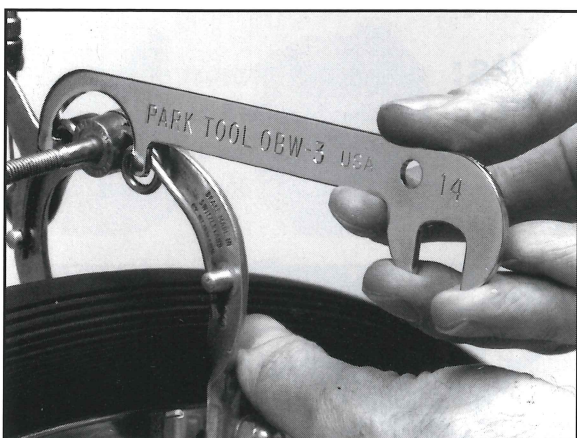
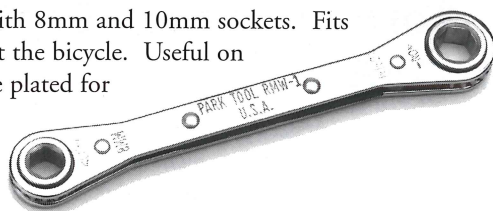
Shipping weight: 6.4 ozs. (.2 kg.)



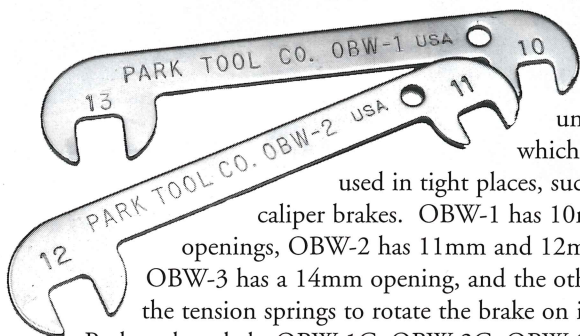
Ratcheting Metric Wrench RMW-1

A small, quality hand wrench with 8mm and 10mm sockets. Fits many nuts and bolts throughout the bicycle. Useful on brakes, derailleurs, etc. Chrome plated for long, tough use.

Shipping weight: 8 ozs. (.2 kg.)



Offset Brake Wrenches OBW-1, OBW-2, and OBW-3



We call these our offset wrenches because of their unique design,

which allows them to be

used in tight places, such as centering caliper brakes. OBW-1 has 10mm and 13mm

openings, OBW-2 has 11mm and 12mm openings.

OBW-3 has a 14mm opening, and the other end fits into the tension springs to rotate the brake on its bolt.

Packaged carded: OBW-1C, OBW-2C, OBW-3C

Shipping weight: 5 ozs. ea. (.14 kg.)



Metric Wrenches CBW-1 through CBW-5

These small, chrome plated wrenches can be used on brakes, derailleurs, etc.

CBW-1 8mm open - 10mm open

CBW-2 8mm box - 10mm box

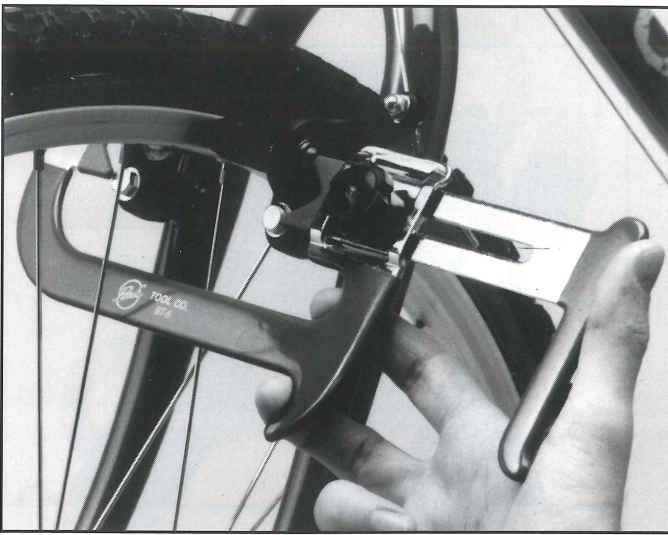
CBW-3 8mm box - 10mm open

CBW-4 9mm open - 11mm open

CBW-5 9mm box - 11mm box

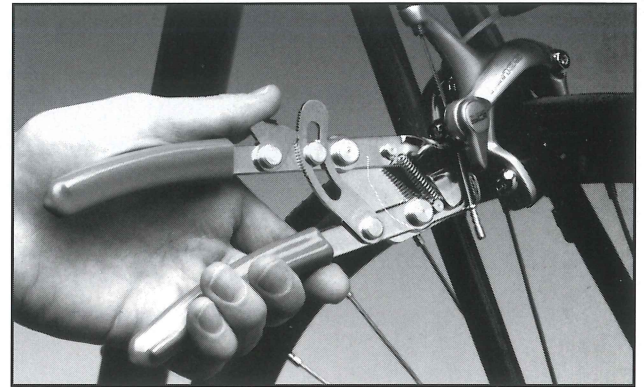
Packaged carded: CBW-1C through CBW-5C

Shipping weight: 1 oz. ea. (.03 kg.)



Adjustable Third Hand Brake Tool BT-5

Designed to be used on all brakes, caliper and cantilever. The BT-5 can be used on many different parts of brakes -- against shoe, mounting bolt, etc., whatever is more convenient. Squeeze handle and turn knob to lock in place. Chrome plated and vinyl coated to protect the brake finish. Shipping weight: 14 ozs. (.4 kg.)



Cable Stretcher BT-2

Commonly referred to as a "4th Hand", the Park Tool Cable Stretcher pulls cables tight. It features one-hand operation with a thumb lock to hold the cable tight while your hand is removed to tighten pull-up bolts and nuts. Made from heat treated tool steel, chrome plated, and featuring cushion grips for comfort. A must for any shop, home or professional. Shipping weight: 12 ozs. (.3 kg.)



Third Hand Brake Tool BT-1

The BT-1 holds caliper brake shoes against the rim while installing the cable. Vinyl coating is easy on the hands and smooth edges allow it to be easily attached and removed. Chrome plated, heat treated spring steel. Shipping weight: 3 ozs. (.09 kg.)



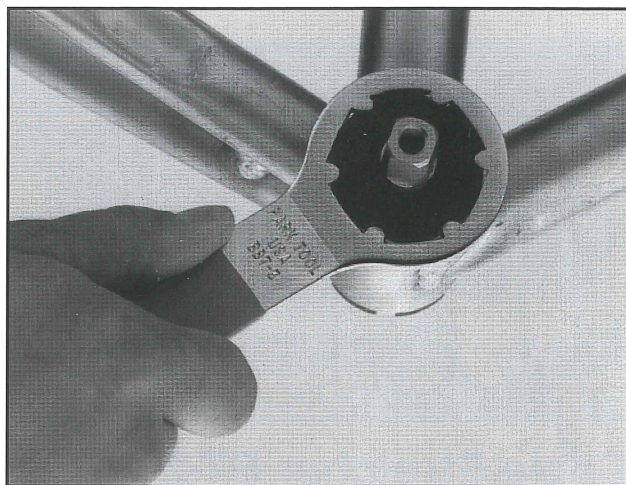
Third Hand For Cantilever Brakes BT-4

The BT-4 is designed especially for use on most cantilever brakes found on mountain bikes, etc. Vinyl coated spring steel will not mar brake shoes. Will fit most older cantilevers. For more universal application, use the BT-5. Shipping weight: 4 ozs. (.1 kg.)



Brake Toe-In Tool BT-3

The Brake Toe-In-Tool is used for aligning caliper brake pads in relation to the rim. Brake pads that are perfectly parallel to the rim will "squeal." Park Tool's BT-3 allows pads to be easily "toed-inward." Simply place tool on flats of caliper arms and gently twist. Hardened, chrome plated chrome-moly with a vinyl coated handle for good grip. Shipping weight: 5 ozs. (.1 kg.)



Bottom Bracket Tools BBT-3 and BBT-4

The BBT-3 is made specifically for the installation and removal of the "star-shaped" cartridge cups used on KSS bottom brackets. The vinyl coated handle provides a comfortable, non-slip grip.

Shipping weight: 5.4 ozs. (.2 kg.)

The BBT-4 is made for the installation and removal of the "star shaped" cartridge cups used on Sachs, Campagnolo Veloce, and Thun SKF Series sealed cartridge bottom brackets. The handle is vinyl coated for comfort.

Shipping weight: 5.4 ozs. (.2 kg.)



Bottom Bracket Tool BBT-5

Campagnolo cartridges need their own version of bottom bracket tools. This small tool looks like a freewheel remover, but has a slightly different shape. The BBT-5 fits Record, Chorus, and Athena bottom bracket cartridges and cassette lockrings.

Shipping weight: 1.4 ozs. (.04 kg.)

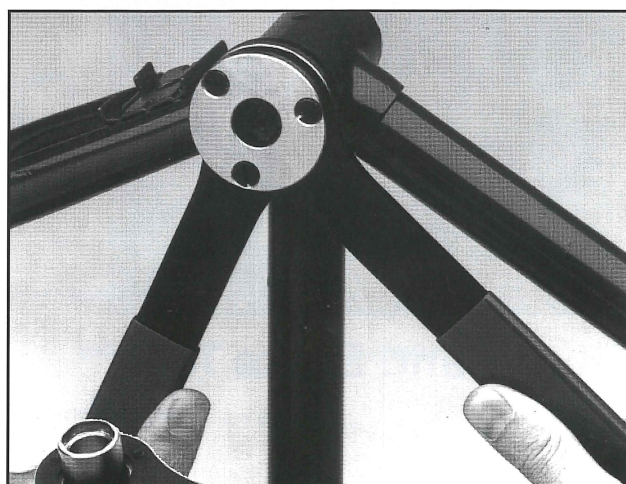


Shimano Sealed Cartridge Bottom Bracket Tool BBT-2

The BBT-2 fits all models of Shimano's cartridge bottom brackets. Simply insert the BBT-2 into the splined cartridge and either tighten or loosen using a 3/8 inch ratchet driver or a 32mm wrench.

Packaged carded: BBT-2C

Shipping weight: 1 lb. (.5 kg.)



Shimano Cartridge Adjusting Tool BBT-6

The BBT-6 is an adjustment tool for several of Shimano's cartridge-type bottom brackets. One handle is used to loosen the cartridge's locknut, and the other to make the adjustment. Extra long, coated handles give great leverage for an easy job. The BBT-6 fits pre-1996 LP and CS series cartridges.

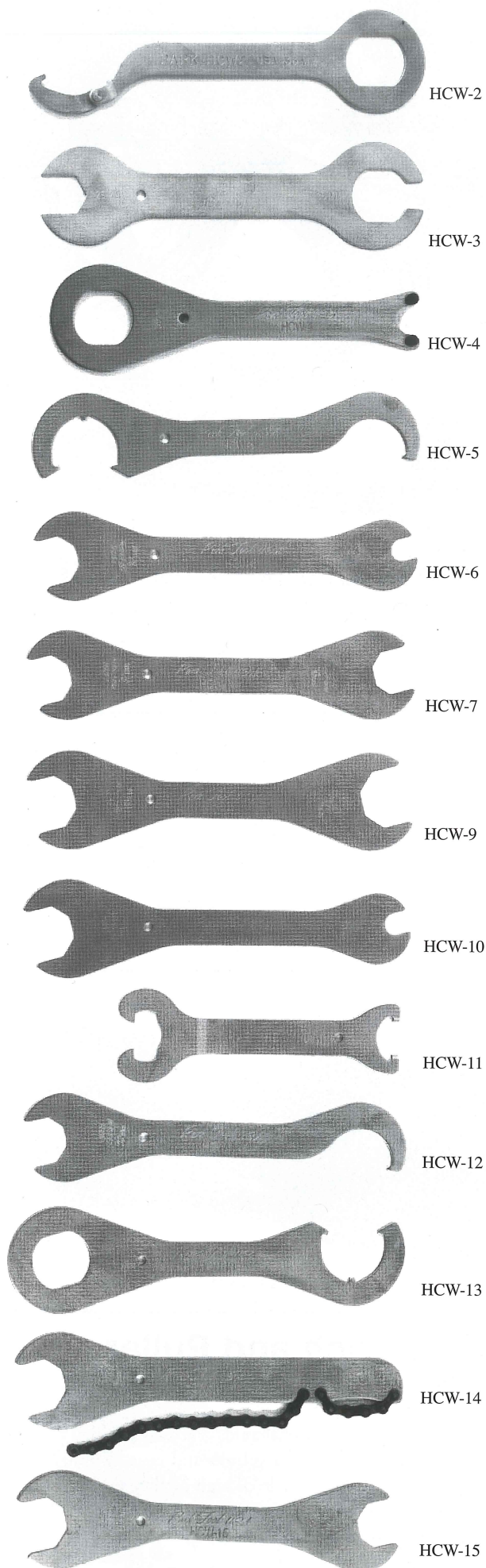
Shipping weight: 3 lbs. (1.4 kg.)

Head, Crank, and Pedal Wrenches HCW-2 through HCW-15

Our popular and versatile Head and Crank Wrenches now feature our proven "Y" head design and all headset wrench openings are Lazer cut to ensure a tight, accurate fit. Precise sizing is achieved by high voltage computer controlled lazer technology after heat treat. Waiting until the wrench is heat treated eliminates shrinkage and expansion of the steel after the wrench is sized. It takes longer, and costs more, but it's worth the extra effort. (Only headset sizes 30mm, 32mm, 36mm, and 40mm are lazer sized).

- HCW-2 35mm box-end and pivoting locking spanner.
- HCW-3 36mm box-end and 25mm open-end bottom bracket wrench. (Open-end feature on 36mm allows use without removing crank arm).
- HCW-4 36mm box-end and bottom bracket pin spanner.
- HCW-5 Double sided bottom bracket locking hook spanner.
- HCW-6 32mm head wrench and 15mm pedal wrench.
- HCW-7 30mm and 32mm head wrench.
- HCW-9 36mm and 40mm "oversize" head wrench.
- HCW-10 36mm head wrench and 15mm pedal wrench.
- HCW-11 16mm "slotted" and "raised" adjusting cup bottom bracket wrench.
- HCW-12 32mm head wrench and locking hook spanner.
- HCW-13 Locking hook spanner and 36mm fixed cup wrench.
- HCW-14 36mm head wrench and chain whip.
- HCW-15 32mm and 36mm head wrench

Shipping weight: Approx. 8 to 11 ozs. ea. (.2 to .3 kg.)



Professional Headset Locknut Wrench HW-2

Most headset wrenches are too thin to use on the top locknut of headsets, particularly aluminum locknuts which can be marred and rounded off very easily. The HW-2 Professional Headset Locknut Wrench is the answer. It has a thick, semi-box opening and a substantial, extra long handle for a firm and precise grip on most 8 point 32mm and 36mm locknuts. Made of investment cast tool steel.

Shipping weight: 1 lb. (.5 kg.)



Ratcheting Cotterless Crank Wrench CCW-4

Extra-deep 14mm socket (for crank bolts) and 15mm box-end socket (for axle nuts) on a long, ratcheting, reversing wrench. Quality chrome plated tool steel.

Shipping weight: 9 ozs. (.3 kg.)

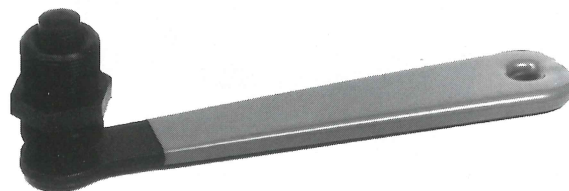


Cotterless Crank Wrench CCW-14R

The CCW-14R has been updated, making it a more useful tool and a better value. It has a stronger and deeper socket so it will work on any 14mm crank nut or bolt. The CCW-14R also has a longer handle which is now vinyl dipped for comfort. Heat treated and chrome plated for strength and durability.

Packaged carded: CCW-14RC

Shipping weight: 4.8 ozs. (.1 kg.)

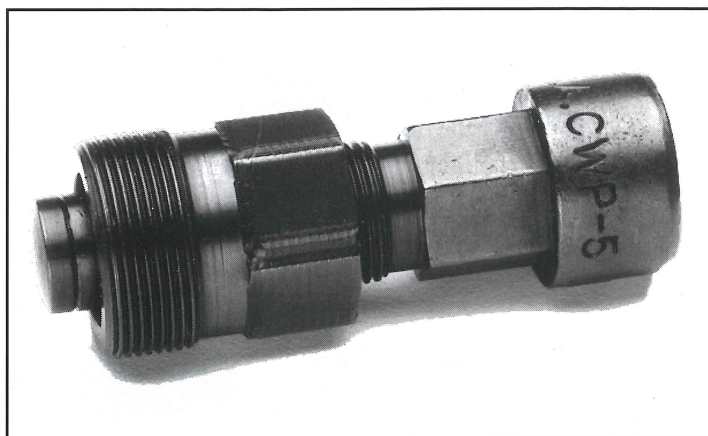


Cotterless Crank Puller CCP-2

Pulling off crank arms is the only way to thoroughly service bottom bracket bearings. The unique universal design of the CCP-2, originated by Park Tool Co., eliminates the need to have a different puller for each different brand of crank set. The double-end puller nut fits all cranks with 22mm x 1 and 23mm x 1 threads. A special "floating", hardened tip provides long life and smooth operation. The thread lengths of the CCP-2 have been increased to accommodate new, deeper crank arms and the long handle provides plenty of leverage.

Packaged carded: CCP-2C

Shipping weight: 5 ozs. (.1 kg.)

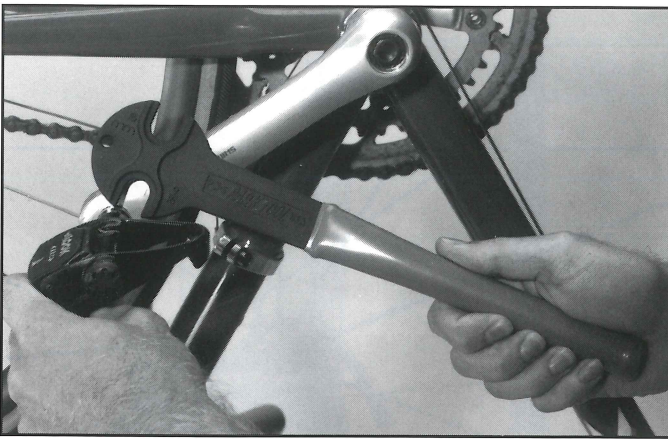


Crank Wrench and Puller CWP-5

The CWP-5 is a small, lightweight crank arm puller with a 14mm socket for removing crank arm fixing bolts and nuts. Though it's small and light, the CWP-5 is made of high quality steel and has a "floating", hardened tip for smooth operation and long life. It's the perfect puller for the road or home tool kit.

Packaged carded: CWP-5C

Shipping weight: 4.1 ozs. (.1 kg.)



Pedal Wrench PW-3

New material and new design! We have taken our popular pedal wrench and beefed it up to make it even better. By adding reinforcement around the stressed areas and upgrading the material we can offer a new investment cast pedal wrench that is still the most comfortable on the market. 15mm and 9/16" precision openings with an extra long, round, vinyl dipped handle that won't dig into your hand like flat wrenches. Shipping weight: 11.4 ozs. (.3 kg.)

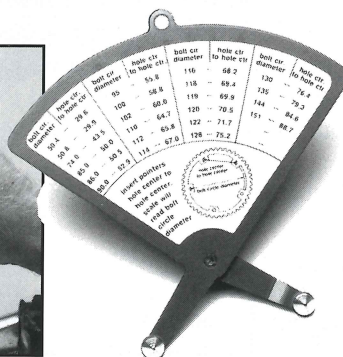
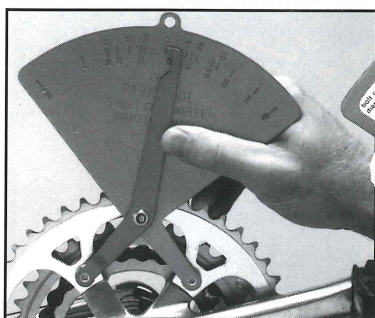


Frame Taps TAP-7 through TAP-10

Frame Taps will become a lifesaver at some time for virtually every mechanic. As with all Park Tool Taps, these are made of high carbon steel and are precision ground. Park Tool Frame Taps cut easily and fit conventional tap handles.

- TAP-7** 3mm x .5 for rear wheel drop-out alignment screws.
- TAP-8** 5mm x .8 for water bottle, toe clip, fender and rack bosses.
- TAP-9** 6mm x 1 for cantilever brakes and large fender bosses.
- TAP-10** 10mm x 1 for derailleur hanger.

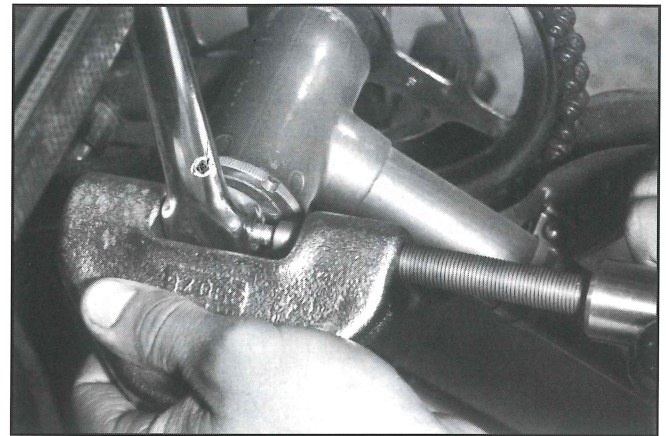
Shipping weight: 1 oz. ea. (.03 kg.)



Bolt Circle Diameter Gauge CDG-1

This gauge is invaluable for quick, easy reading of the correct bolt circle diameter of a 5-bolt chainwheel assembly. It is used by inserting its cone-shaped pointers in two consecutive bolt holes. The gauge automatically gives the corresponding bolt circle diameter measurement. No disassembly of the crankset is required. The CDG-1 also features a quick reference chart on the reverse side listing common chainwheel bolt-to-diameter numbers. Not suitable for "micro" bolt circle diameters.

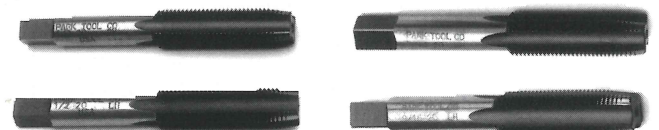
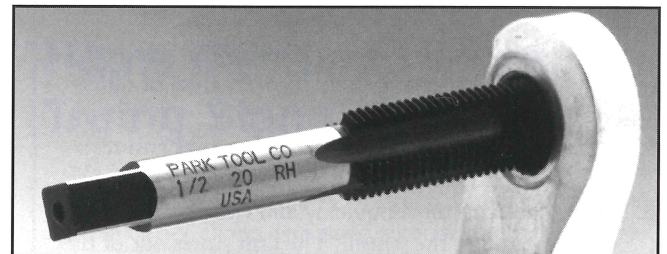
Shipping weight: 5 ozs. (.1 kg.)



Crank Cotter Remover CR-2

This chrome plated tool was designed to remove and reset tapered crank cotters by applying tremendous power to the pin without damaging cups, bearings, cotter pins, or crank arms.

Shipping weight: 2 lbs. (.9 kg.)



Pedal Taps TAP-3 and TAP-6

Clean out or restore damaged threads in crank arms with these pedal taps. These taps can be used with either steel or alloy crank arms and are available in two popular sizes: 1/2" and 9/16" in both right and left-hand threads. Made of high carbon steel, precision ground, and hardened to stay sharp, they cut easily and fit all conventional tap handles.

Packaged carded: TAP-3C, TAP-6C

TAP-3C Set of 2, 1/2" Left and Right

TAP-6C Set of 2, 9/16" Left and Right

Shipping weight: 4 ozs. ea. (.1 kg.)

Master Truing Stand TS-3

When only the best equipment will do, look no further than the TS-3 Truing Stand. Built to exacting specifications using the highest quality materials available, this stand delivers an unprecedented level of accuracy. You now can quantify the trueness of a wheel using the optional factory dial indicator package.

Designed from ground up to be the new standard in truing stands, the TS-3 Truing Stand gives you all of these important features to assure you of absolute precision and accuracy.

1. The TS-3 Truing Stand will center (dish) a wheel, relative to the faces of the hub locknut, to within 0.25mm (0.01 inch).
2. The linear motion of the upright arms ensures superior alignment.
3. Optional dial indicators provide quantified measurement of radial and lateral run out allowing exact specifications to be maintained, and allowing strict adherence to shop and industry standards.
4. The angle of the TS-3 Truing Stand can be adjusted so it can be used comfortably by mechanics of different heights.
5. Precision ground parts and precise bearings ensure long-lasting, smooth operation.
6. The caliper arm moves quickly and easily saving time when mounting the wheel. The arm stores out of the way to prevent damage to the arm.

Shipping weight: 15 lbs. (6.8 kg.)

TS-3 Stand only

1554-1 Centering gauge for TS-2 and TS-3

1555-1 Dial indicator set complete

1556-1 Dial indicator bracket set only



Professional Wheel Alignment Gauge WAG-1

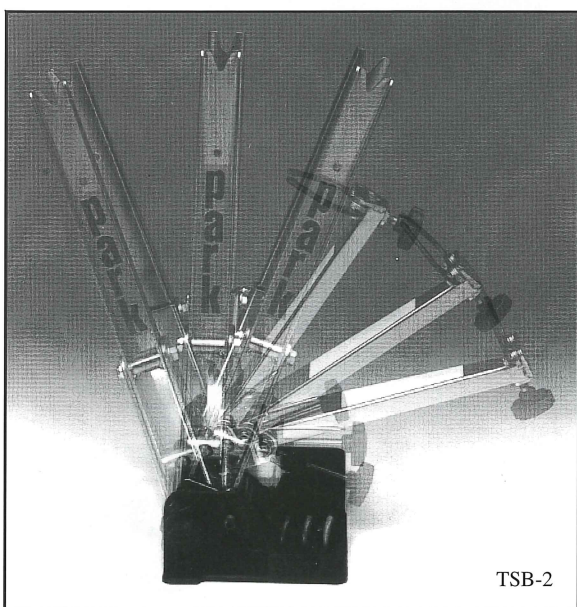
This tool is a quick, easy way to check the correct offset on rear multi-speed hubs and to check for any front wheel offset which may need to be changed. The Wheel Alignment Gauge can be used on wheel sizes 20" to 28", either on or off the bike. The positive, screw-operated indicator will not move when set. The wide feet of the Wheel Alignment Gauge make it easy to get accurate readings even with knobby tires.

Shipping weight: 1 lb. (.5 kg.)



Professional Wheel Truing Stand TS-2

The Park Tool Professional Truing Stand is the stand to choose for heavy shop use. Accepts wheels from 16" to 28" with or without tire removed. Both axle-holding uprights move simultaneously, always centering wheel hub with calipers, regardless of hub width. Calipers and caliper arm are spring-loaded to prevent jamming with badly out-of-true wheels. Made of heavy chrome plated steel with nylon bushings at pivot points. Can be bench-mounted or vise-held. If a forward or backward tilt is desired, use with Truing Stand Tilting Base (TSB-2) shown below. The standard of the industry. For precision work, the TS-2 should be used with the WAG-1 Professional Wheel Alignment Gauge. Shipping weight: 18 lbs. (8.2 kg.)



TSB-2

Truing Stand Tilting Base TSB-2

We've designed the Tilting Base specifically for use with our Park Tool Professional Wheel Truing Stand. It allows for adjustment of the truing stand 20 degrees forward or backward for comfortable use at any bench height. The handy bins in the front of the Tilting Base are specially designed to hold Park Tool Spoke Wrenches and other small items such as spoke nipples. The bin corners are rounded to make even the smallest part easy to retrieve. Reinforced black nylon body will stand up to heavy use. Holes are provided for mounting to workbench or other surfaces for greater stability. Shipping weight: 5 lbs. (2.3 kg.)



Home Mechanic Wheel Truing Stand TS-7

The TS-7 is a high quality truing stand designed specifically for the home mechanic. Constructed from heavy gauge steel, the TS-7 allows extremely accurate and reliable wheel truing at an economical price. Dishing (centering) is performed using the portable wheel dishing tool (shown below), included with the stand. The TS-7 can be used on almost any wheel size or hub width and can be used free-standing or bolted to a bench for extra stability. Shipping weight: 11 lbs. (5 kg.)

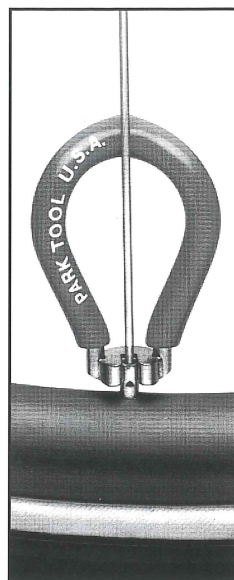




Portable Wheel Dishing Gauge WAG-3

The WAG-3 accurately checks the dish, or offset, on all 26", 27", and 700C wheels. Measurements are taken comparing one side of the wheel to the other to determine if the rim is in the center of the hub. Easily disassembles to fit into most tool boxes. Perfect for the race or home mechanic. For quick accurate readings on all sizes wheels, on or off the bike, check out the WAG-1 Professional Wheel Alignment Gauge.

Shipping weight: 2 lbs. (.9 kg.)



Spoke Wrenches SW-0 through SW-4

Professional quality, precision-sized spoke wrenches are hardened and chrome plated for long service. Park Tool Spoke Wrenches are vinyl coated in one of five colors indicating the size at a glance.

BEWARE OF POOR FITTING IMITATIONS! Park Tool Spoke Wrenches are marked "Park Tool USA."

SW-0 (Black) For 80 gauge -- .127 nipple

SW-1 (Green) For 80 gauge -- .130 nipple

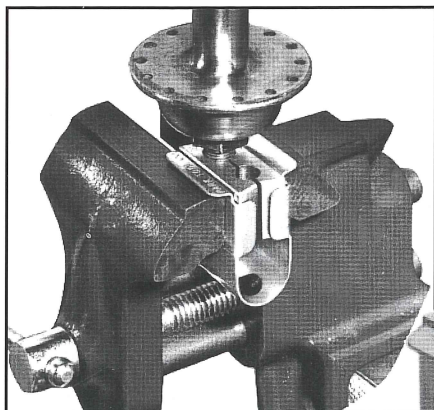
SW-2 (Red) For 80 gauge -- .136 nipple

SW-3 (Blue) For 105 gauge -- .156 nipple

SW-4 (Yellow) For 120 gauge -- .193 nipple

Packaged carded: SW-0C through SW-2C

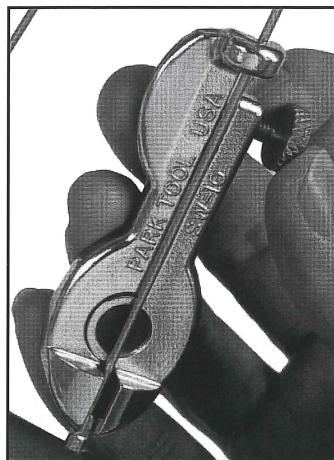
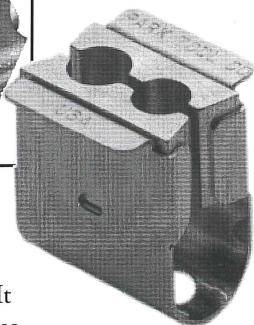
Shipping weight: 1 oz. ea. (.03 kg.)



Axle Vise AV-1

This tool holds the axle so it will not turn while work is done on the hub. It has two different diameter receptacles so it will work on front and rear axles. It is simple to use - just insert the axle into the proper diameter opening and tighten the bench vise. The jaws will open automatically when the vise is opened.

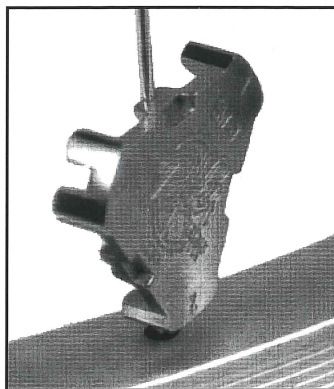
Shipping weight: 3 ozs. (.09 kg.)



Adjustable Spoke Wrench SW-10

The SW-10 Adjustable Spoke Wrench helps remove tight (stubborn) or rounded nipples. Hardened, chrome plated investment casting gives superior strength and durability. Fits any of the 80 gauge sizes listed above for SW-0 through SW-2.

Shipping weight: 8 ozs. (.2 kg.)



Triple Spoke Wrench SW-7

The precision sized SW-7 fits the three most popular spoke nipple sizes on the market. The SW-7 is electroless nickel plated for years of service.

Packaged carded: SW-7C

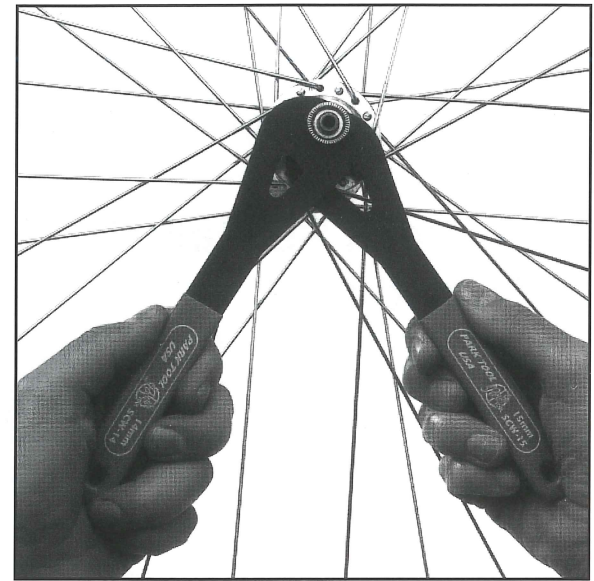
Shipping weight: 1 oz. (.02 kg.)



CONE WRENCHES



NOTE: Do not use cone wrenches to remove pedals.

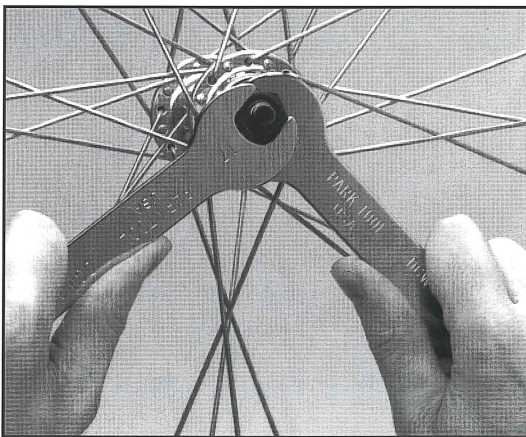


Shop Cone Wrenches SCW-13 through SCW-17

The cone wrenches bike shops all over the world have trusted for almost 30 years just got better. We started with a clean sheet of paper and designed a set of cone wrenches that we believe are unmatched in quality and performance. The first thing you will notice about the new SCW Shop Cone Wrenches is the shape. The unique "Y" head design puts more material where it's needed for added strength and durability. The second thing you will probably notice is the finish--a new military grade phosphate finish. A departure from the traditional chrome plating, we've found this new finish helps ensure a precision fit and consistent quality. In addition to these new features, we also made the SCW Shop Cone Wrenches thinner than ever for use on even the narrowest of adjusting cones and added a wider, vinyl dipped handle for comfort. With these new features, we're confident the new SCW Shop Cone Wrenches will become the new industry standard.

SCW-13 13mm SCW-14 14mm SCW-15 15mm
SCW-16 16mm SCW-17 17mm SCW-18 18mm

Shipping weight: 2.8 ozs. each (.08 kg.)



Double-Ended Cone Wrenches DCW-0 through DCW-4

These cone wrenches are designed for the home mechanic or occasional user. They're made of thin tool steel and are chrome-plated for long use. Available in five popular sizes from 11mm to 18mm. Their small size makes them ideal to carry along for quick repairs.

DCW-0 11mm and 12mm DCW-1 13mm and 14mm
DCW-2 15mm and 16mm DCW-3 17mm and 18mm
DCW-4 13mm and 15mm

Packaged carded: DCW-0C through DCW-4C

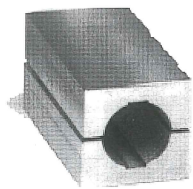
Shipping weight: 2 ozs. ea. (.06 kg.)



Spoke, Bearing, and Cotter Gauge SBC-1

This handy shop aid is ideal for sizing spokes, ball bearings and crank cotters. To use, just hang the head of the spoke in the oblong hole and read its length on the scale. For crank cotters and ball bearings it works just like a gauge for drill bits. Spoke lengths are in both metric and fractional markings. Made of anodized aluminum with embossed markings to allow easy reading and long life. Shipping weight: 2 ozs. (.06 kg.)

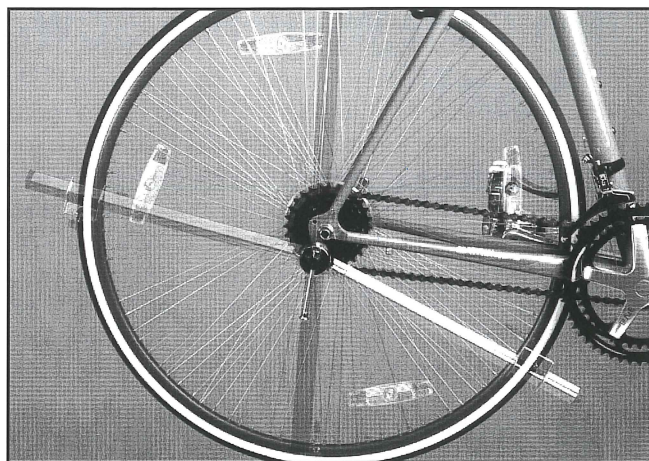
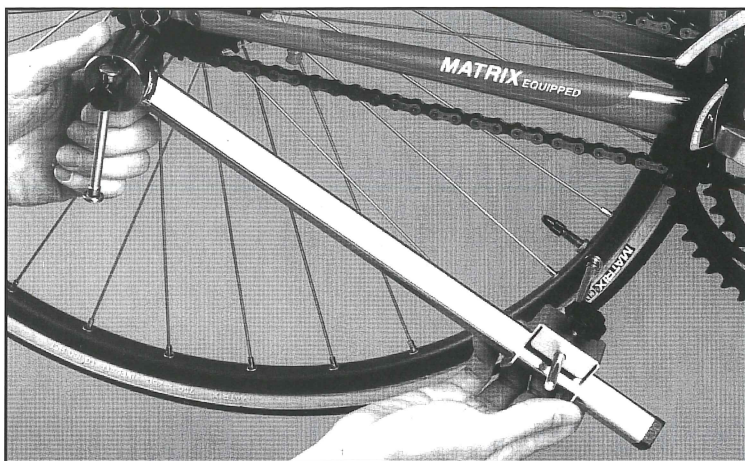




Fork Block Sets #636, #637, and #638

These aluminum fork block sets forks are handy for holding forks in a vise while cutting threads, cutting steerer tubes, straightening dropouts, and performing similar operations. All three sizes will also fit the Park Tool FCG-1 Fork Clamp and Gauge. (For 1", 1-1/8", and 1-1/4" forks).

Shipping weight: 14 ozs. ea. (.4 kg.)



Frame and Fork Straightening Tools

This section is devoted to our frame and fork straightening tools. Many bicycles cannot be properly repaired or adjusted because their frames and forks are no longer true. With the high cost of new bicycles and replacement frames and forks, straightening can be a viable, cost-effective alternative. Many damaged bicycles can be safely straightened and repaired when the proper tools are used by skilled mechanics. When these tools are used to straighten and assure the alignment of a frame or fork, the repaired bicycle will be safer to ride.

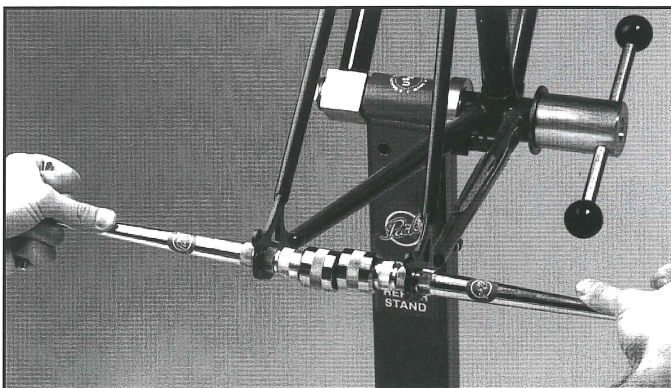
Caution! During any repair, safety should always come first.

Customers should be advised prior to straightening that not all bicycles can be repaired. After alignment, all frames and forks should be carefully inspected for cracks or kinked tubes. A customer should be advised when certain conditions render a bicycle unsafe to ride.

Derailleur Hanger Alignment Gauge DAG-1

The Derailleur Hanger Alignment Gauge can help solve a multitude of derailleur shifting problems, most notably with index shifting systems. This tool is extremely steady in operation and is simple to use. The tool threads directly into the derailleur hanger. The gauge bar holds a gauge which marks the distance to the wheel. The gauge then is rotated with the wheel to the 6, 9, and 12 o'clock positions, noting any differences in measurements. The alignment of the derailleur hanger is accomplished by applying pressure to the tool's arm. The results can be checked instantly. The DAG-1 is made of heavy-gauge steel and is chrome plated for long shop life.

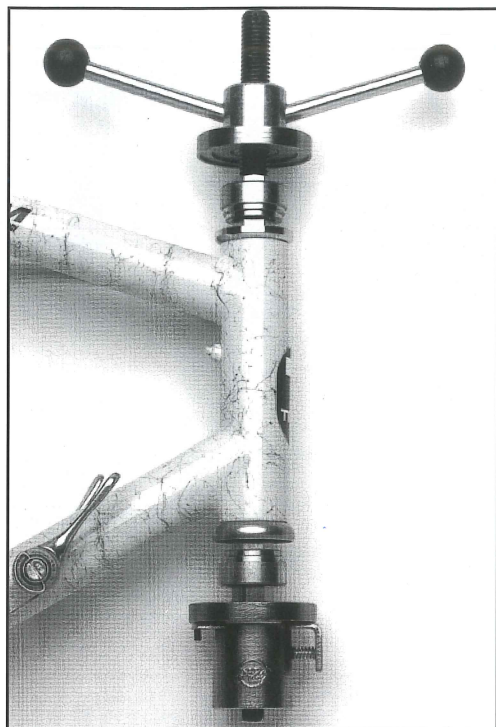
Shipping weight: 2.5 lbs. (1.1 kg.)



Frame and Fork End Alignment Gauge Set FFG-1

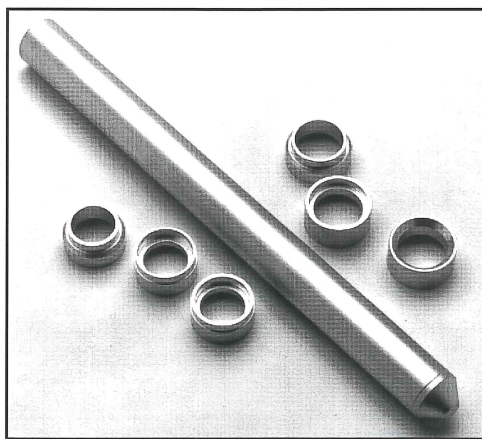
There are occasions, even on new bikes when the frame and fork drop-outs are not parallel, creating bent axles or skewers, poor tracking, and even problem shifting. The Park Tool Frame and Fork Alignment Gauge Set was designed to align the drop-outs easily without elaborate fixtures. They quickly show whether the drop-outs are parallel produce plenty of leverage to straighten Park Tool gauges adjust to compensate widths. A caliper is provided for check





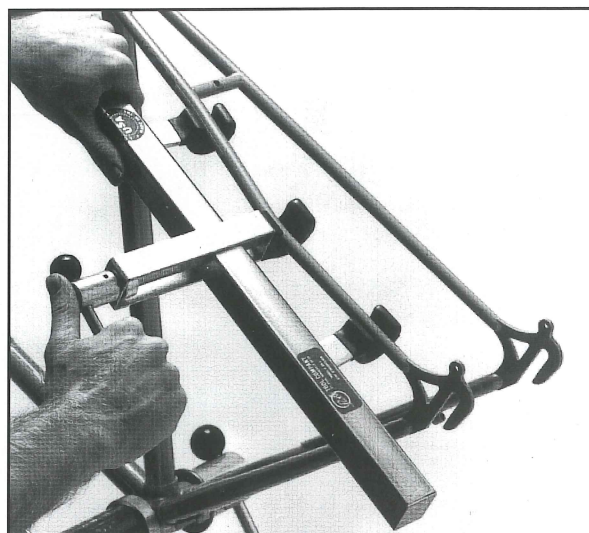
Bearing Cup Press HHP-1

Now you can easily and accurately align and press in one-piece crank hanger and headset bearing cups. Eliminate damaged, dented, chipped, or misaligned bearing cups. Our unique design permits instant removal after cups are seated, with no unscrewing to remove tool, simply slide off. The entire tool is heat treated and chrome-plated to give trouble-free service. Stepped bushings provide a precise fit and alignment for regular and oversized head and hanger cups. Shipping weight: 4.5 lbs. (2 kg.)



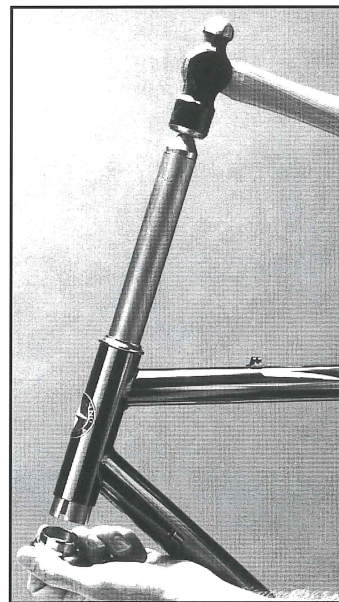
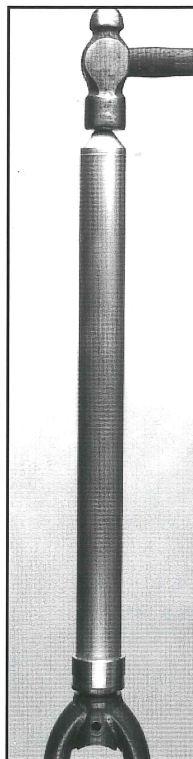
Crown Race Setting System CRS-1

We've taken a fresh new approach to crown race installation. Traditionally, a mechanic would slam a tube down onto the bearing surface to "set" the race in place. The CRS-1 offers a different approach that offers faster, safer, and more precise installation. The bearing surface is spared a direct hit by using different inserts to ensure proper fit on the race. Choose the correct insert then slide the tube over the fork tube and into the top end of the insert. Using a hammer, tap firmly on the end cap of the tube and seat the race into its proper place safely and accurately. The CRS-1 set includes one universal setting tube, three 1" inserts, and three 1-1/8" inserts. Shipping weight: 3 lbs. (1.4 kg.)



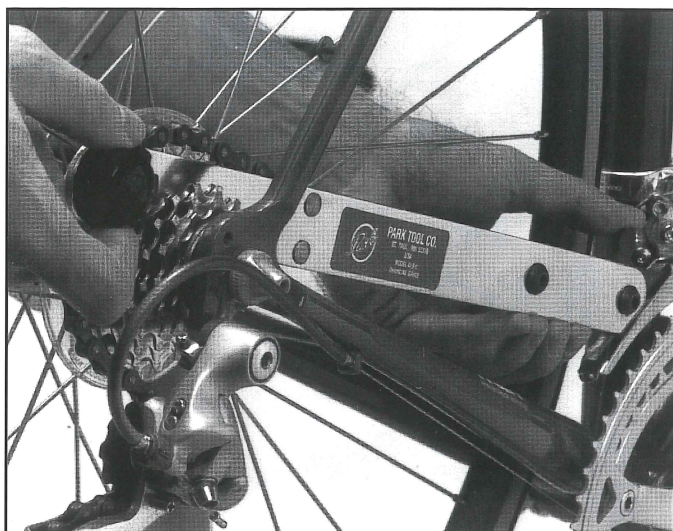
Frame Stay Straightener SS-1

One of the most difficult tasks in frame repair is straightening seat and chain stays that have been damaged. The Park Tool Stay Straightener is a unique, adjustable tube bender that can straighten seat and chain stays quickly and accurately. The middle hook can either pull or push the tube into position, while the other two hooks adjust to the length and contour of the damaged area. Vinyl coated hooks will not mar paint. You will be amazed how well you can straighten seat and chain stays. Shipping weight: 5 lbs. (2.3 kg.)



Head Cup Remover RT-1

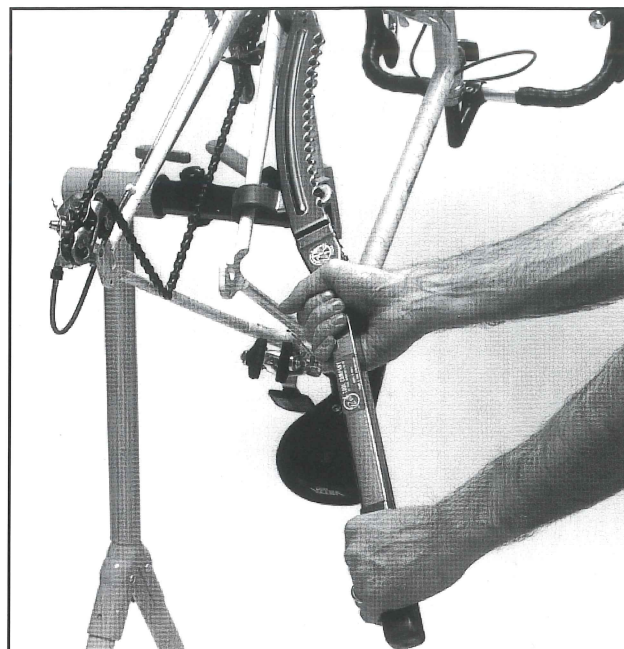
The Park Tool Head Cup Remover makes headset cup removal easy. The tool is pulled through the frame until the flared ends snap in behind the cup. A blow on the tool head removes the cup. Fits standard and oversize headsets. Strong, heat treated alloy steel with nickel finish. Shipping weight: 1 lb. (.5 kg.)



ChainLine Gauge CLG-2

The Park Tool ChainLine Gauge is a terrific help in diagnosing poor shifting or erratic chain characteristics. Use of this tool can help isolate the causes which range from an improperly installed rear wheel, misaligned dropouts, incorrectly dished wheels, bent rear triangle, or bottom bracket problems. The ChainLine Gauge is accurate and simple to use.

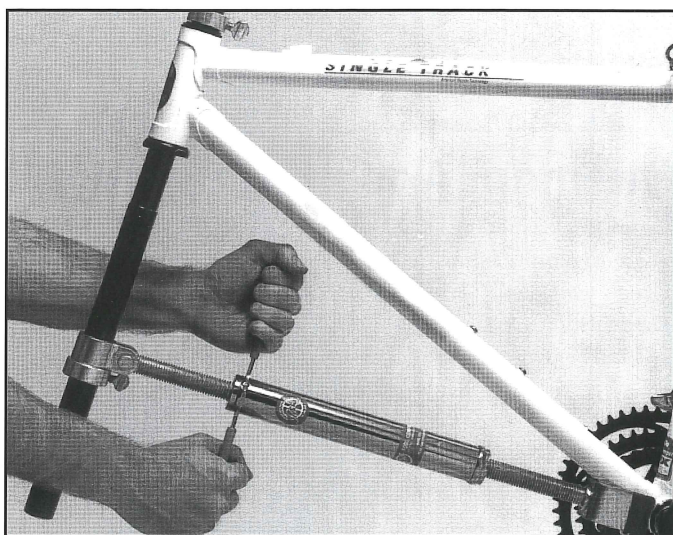
Shipping weight: 12 ozs. (.4 kg.)



Frame and Fork Straightener FFS-1

The Park Tool Frame and Fork Straightener is a versatile and productive tool. The open hook design enables it to straighten not only frames and forks, but also cranks and handlebars. Vinyl coating on the hook and on the fulcrum pad protects painted surfaces. The hook has over 8" of adjustment. Reinforced to prevent flexing.

Shipping weight: 4 lbs. (1.8 kg.)



Head Tube Straightener HTS-1

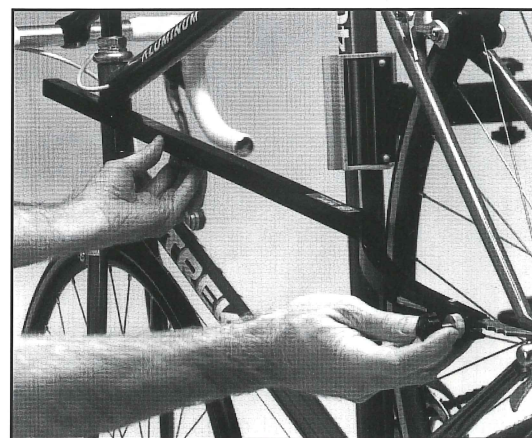
After a front-end collision, many bicycles will require the head tube of the frame to be straightened. They will no longer steer properly and the front wheel has reduced clearance at the down tube and the pedals. The Head Tube Straightener is designed to quickly correct the angle of the head tube. After the fork has been removed from the frame, the shaft of the HTS-1 is inserted through the head set races and secured with a set collar. The shaft has two different diameters and is made of high strength, Fatigue-proof® steel. The turnbuckle is then connected to the shaft at a 90 degree angle and tightened against the bottom bracket. The turnbuckle is extended until the shaft and head tube are at the desired angle. Tremendous pressure is generated with this tool, and any frame can be straightened with little physical effort. The fork should be checked for damage prior to reassembly.

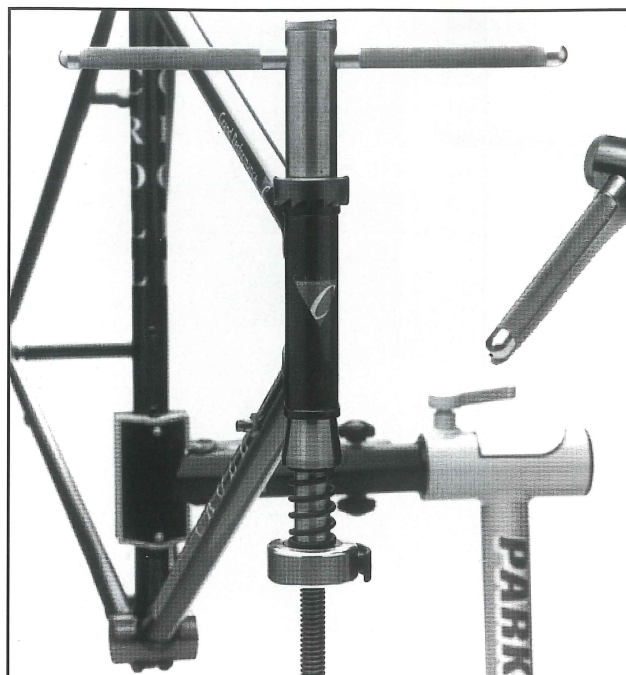
Shipping Weight: 12 lbs. (5.4 kg.)

Frame Alignment Gauge FAG-2

Many bicycles will not shift or track properly because the front and rear wheels are not in line with the frame. If these conditions still exist after wheel and derailleur adjustments, the seat stays, chain stays, and rear drop-outs of the frame may be misaligned. For years the accepted method to check the alignment of the rear drop-out was to run a string on either side. This method does work to some extent. However, it is not accurate because the measurement is not taken at the drop-out. With the Park Tool Frame Alignment Gauge the alignment can be checked quickly and accurately at the drop-out. Retractable pointer to fit all sizes and types of bicycles.

Shipping weight: 1 lb. (.5 kg.)



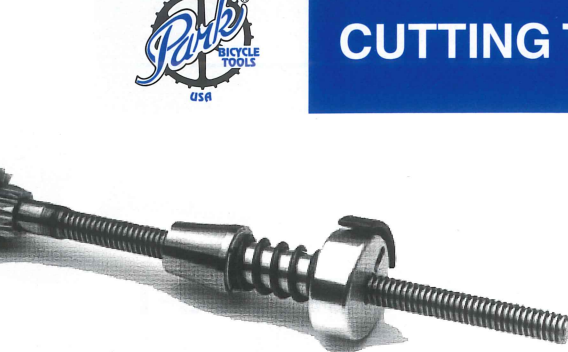
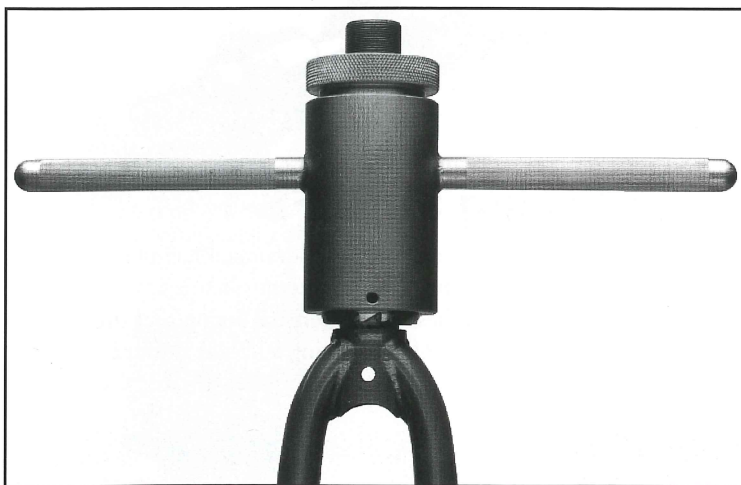


HTR-1

Head Tube Reaming and Facing Set HTR-1

Proper frame preparation is very important. The HTR-1 combines reaming and facing of the head tube to create a perfect fit for most sizes of head cups. The HTR-1 comes complete with a 30.0mm reamer, and four different size pilots, (29.8mm, 30.0mm, 33.8mm, and 36.8mm). There are cases when a reamer is required to clean out or increase the diameter of the head tube. Most times however, facing of the head tube for good cup fit is the objective. In this case, reaming is not necessary and the pilots can be used in place of the reamers to keep the tool straight and create a faced head tube. The unique part of the HTR-1 is the quick-release, quick-adjust feature. The bottom portion can slide off and on easily without the long threading process. This portion of the tool can still be fine tuned while in use. The tapered centering cone unit rides on a bearing for extra smooth operation. All cutting surfaces are top quality and extra sharp.

Shipping weight: 7 lbs. (3.2 kg.)



Reaming tip:

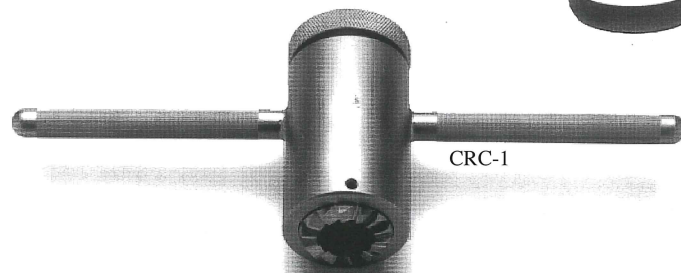
The HTR-1 piloting guides may be used as "go/no-go" gauges when determining the necessity for reaming.

Select the guide closest to the size of the appropriate reamer size. Attempt to insert the guide into the frame. If the guide fits in the frame, the head tube typically does not require reaming. Example: the head tube cups measure 30.2mm. Select a 29.95 guide and test the guide in the head tube. If the guide will not fit, the frame requires reaming for the 30.2 cup.

Head tube race size	Correct pilot	Correct reamer
29.0 - 30.05	29.75	n/a
30.1 - 30.3	29.95	30.0
34.0 - 34.1	33.75	33.8
37.0 - 37.1	36.75	36.8

Park Tool Cutting Fluid CF-1

The use of cutting oil or cutting fluid is extremely important when performing any cutting, tapping, facing, or reaming operation. Park Tool Cutting Fluid is a high quality, environmentally safe cutting fluid that extends tool life and makes any frame prep job easier and safer. Park Tool Cutting Fluid can effectively be used on all metals (except magnesium). 8 oz. (237 mL) bottle. Shipping weight: 10 ozs. (.3 kg.)



CRC-1

Crown Race Cutting Tool CRC-1

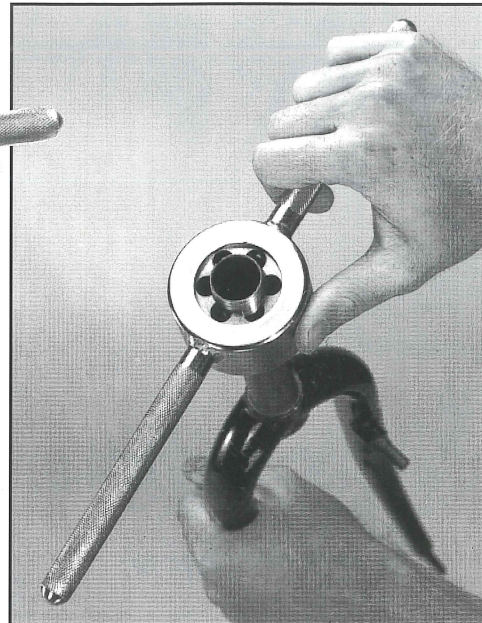
To insure proper headset performance and longevity, special attention must be given to accurately machine the fork's crown race seat. The CRC-1 is a professional quality machining tool for milling both the outer edge and lower surfaces of the crown race seat. A unique adjusting system allows a tight fit of the tool on any fork, threaded or unthreaded, (even forks with externally butted steerer tubes), ensuring a smooth, accurate cut and proper alignment of the fork in the frame. The CRC-1 Crown Race Cutting Set includes high speed steel cutters and adjustable collets to machine 26.5mm and 27.1mm crown race seats on 1" forks and 30.1mm crown race seats on 1-1/8" forks. Shipping weight: 5 lbs. (2.3 kg.)



Fork Threading Set FTS-1

The FTS-1 Fork Threading Set is designed for cutting new threads and for chasing existing threads on fork columns that are not chromed. The FTS-1's expandable cutting dies are made from the highest quality high speed steel for precision cutting and long life. The unique thread guide system used with the FTS-1 is specially designed to allow the metal chips and shavings that result during use to fall completely through the guide, preventing damage to the fork threads and the tool. The FTS-1 includes die handles, 1" x 24 tpi cutting die (#606), and 1" cutting guide (#610). 1-1/8" x 26 die (#607), 1-1/4" x 26 die (#608), 1-1/8" guide (#611), and 1-1/4" guide (#612) are available as accessories. Die handles fit all three sizes of dies and guides.

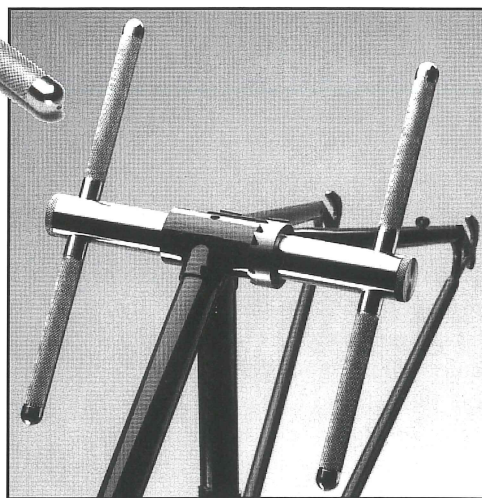
Shipping weight: 2.2 lbs (1 kg.)



Bottom Bracket Tapping Set BTS-1

The BTS-1 is a precision tool system which provides a piloted means of tapping the threads in the bottom bracket shell of a frame. After tapping, the taps act as guides to keep the included facing cutter perfectly square with the axis of the bottom bracket for cleanup of the faces of the bottom bracket shell. Make sure plenty of cutting oil is used in all cutting operations. The BTS-1 includes English taps, 1.370" x 24 TPI right hand thread for the adjustable cup, and 1.370" x 24 TPI left hand thread for the fixed cup. Italian thread taps, 36mm x 24 TPI right hand thread (Part #693), and French thread taps, 35mm x 1 right hand thread (Part #694), for the adjustable and fixed cups are available as accessories.

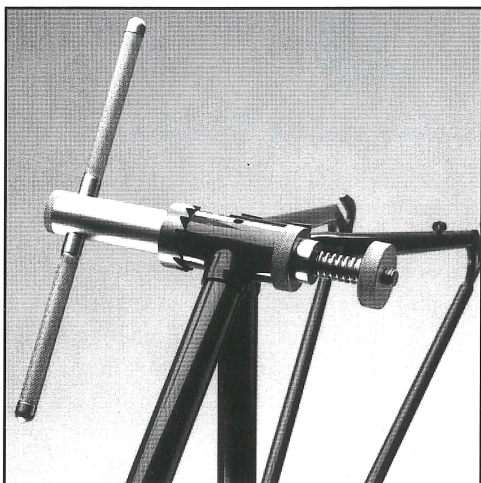
Shipping weight: 5.5 lbs. (2.5 kg.)



Bottom Bracket Facing Set BFS-1

The Bottom Bracket Facing Set is designed to be a complete self-contained facing set combining top quality precision parts, with ease of use. Simply install the threaded inserts using the Facer handle, or even the Park Tool BTS-1 tap handles, then insert the facing tool through the guides and install the tension spring and speed nut. After applying a liberal amount of cutting oil, the BFS-1 easily cuts the shell material, giving you a clean, faced surface. Now you're ready to install the bottom bracket.

Shipping weight: 5.5 lbs. (2.5 kg.)





LOGO MERCHANDISE



Polo Shirt PK-1

Look sharp and feel good in this 100% cotton polo shirt. This short sleeve, deep blue polo features a Park Tool logo embroidered in white. Available in sizes M, L, XL, and XXL. Shipping weight:



Ball Cap HAT-1

Our cap features an embroidered Park Tool logo, a blue bill, and an adjustable fabric backstrap. Shipping weight: 2.9 ozs. (.08 kg.)



Shop Clock

Dress up your shop with this handsome back-lit clock. Featuring a real rubber tire, a chrome rim, a two-color Park Tool logo, and a second hand. The quartz movement clock is powered by a AA battery and the light requires 110V outlet. Approximately 15" in diameter. Shipping weight: 4 lbs. (1.8 kg.)



T-Shirt LTS-1

Our cotton gray T-shirt is pre-shrunk and features a small two-color logo on the breast and an extra large two-color logo on the back. Available in sizes M, L, XL, and XXL. Shipping weight: 6.6 ozs. (.2 kg.)



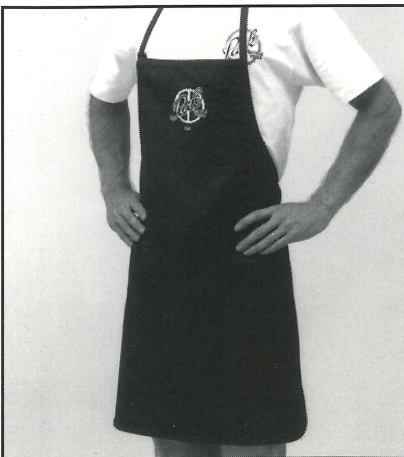
Coffee Mug MUG-1

There's nothing better than a steaming cup of java to start your day. And there's no better place to put that java than in a dark blue ceramic Park Tool mug. One side of the mug features the Park Tool logo in white, the other side features the beefy yet lovable Toolman. Shipping weight: 13.2 ozs. (.4 kg.)



Sweatshirt PSW-1

Comfortably roomy, our long sleeve gray sweatshirt features a two-color logo embroidered on the breast and an extra large two-color screened logo on the back. Available in sizes M, L, XL, and XXL. Shipping weight: 1.5 lbs. (.7 kg.)



Shop Apron SA-1

Protect your clothes and gain the advantage of large pouch pockets whenever you work in the shop. Our full-length, shop quality aprons are made of a heavy 7-ounce poly cotton twill for comfort and durability. Navy blue with white embroidered Park Tool logo. Shipping weight: 1 lb. (.5 kg.)

Park Tool Workstation

Every year the Park Tool Workstation crisscrosses the country to attend over 35 race or ride events to provide mechanical advice and service to riders. Any rider from an average Joe racer to a spectator with a flat tire is welcome to use the tools, lubricants, and expertise of the Park Tool Workstation staff. The head wrench at the Workstation, Chris Beaufait, has saved the day for thousands of riders on race day...



"Thanks for fixing me up at the Sea Otter race after my mishap, you guys saved the day." Doug, Oakland, CA

"Thanks again for the job well done at the Cactus Cup, your quick work got me to the starting line with time to burn." Glenn, Los Angeles, CA

"Your help at the Traverse City NORBA helped me to a seventh place finish." Anne, LaGrange, OH

"I want to thank your people at the Workstation, they really do a great job teaching how to do a repair the right way, with the right tool." Rod, Seattle, WA



The New Park Tool Factory

Our new, expanded manufacturing facility will allow us to serve you better. Scheduled to open on October 1, 1997. Please note our new address and phone numbers.



Park Tool Company
After October 1, 1997:
6 Long Lake Rd. St. Paul, MN 55115
(612) 777-6868 Fax (612) 777-5559
www.parktool.com e-mail info@parktool.com



Printed on Recycled Paper
10% Post-consumer fiber